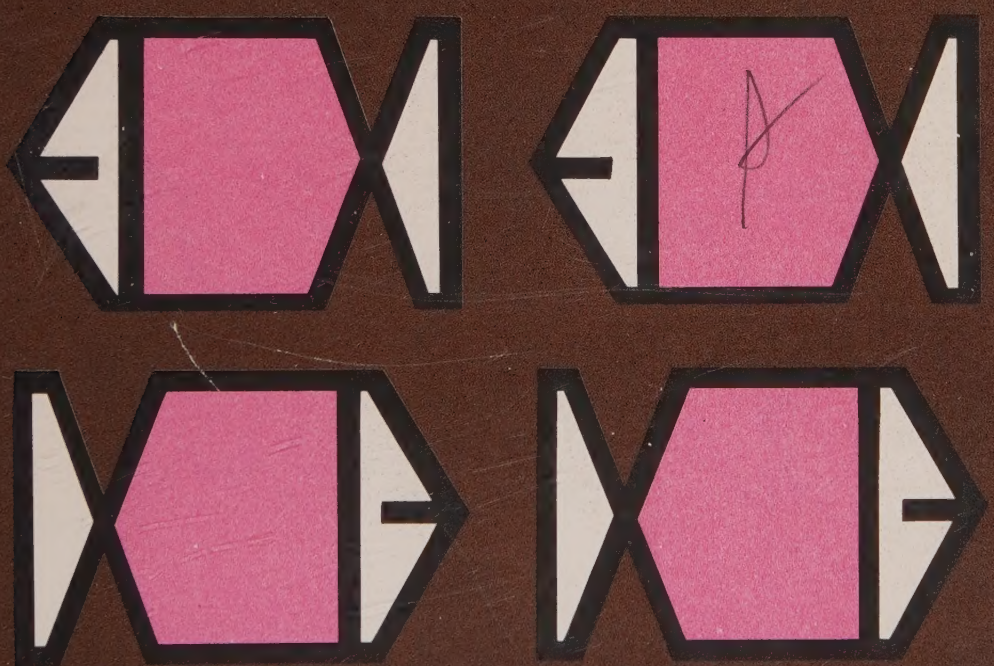
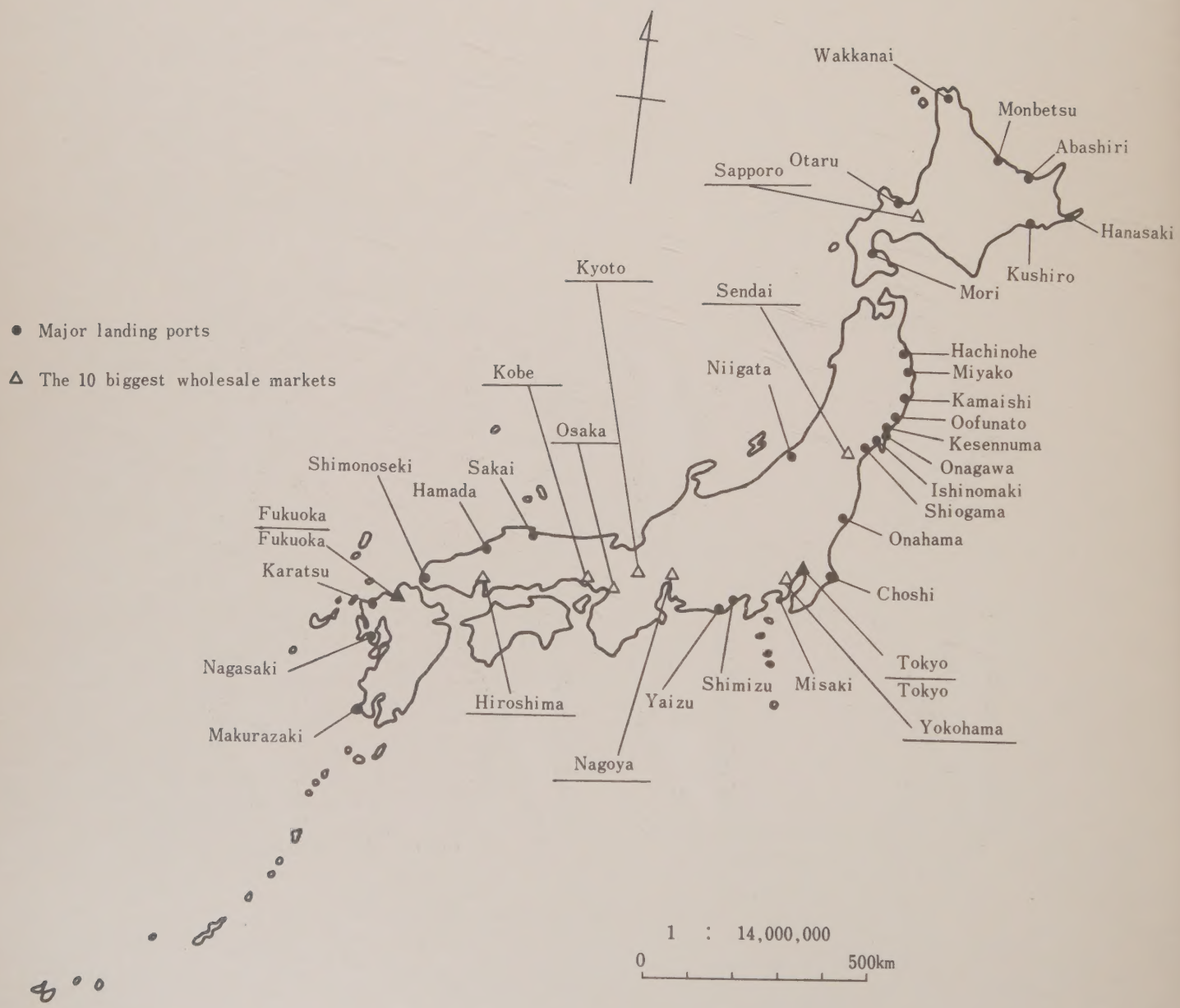
FISHERIES STATISTICS OF JAPAN 1977



STATISTICS AND INFORMATION DEPARTMENT
MINISTRY OF AGRICULTURE, FORESTRY AND FISHERIES
GOVERNMENT OF JAPAN

MAJOR LANDING PORTS AND THE 10 BIGGEST WHOLESALE MARKETS IN JAPAN



FISHERIES STATISTICS OF JAPAN 1977

STATISTICS AND INFORMATION DEPARTMENT
MINISTRY OF AGRICULTURE, FORESTRY AND FISHERIES
GOVERNMENT OF JAPAN

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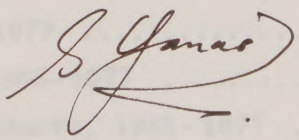
FOREWORD

The bulletin "The Fisheries Statistics of Japan" has been published yearly since 1963 to show the outline of a current fishery situation of Japan. It contains major statistical tables on fishery production, structure, marketing and economy.

Japan traditionally depends much of animal protein upon marine living resources, and it is generally forecasted that this situation will not be changed largely in the future. The total catch of Japan has been maintained a level over ten million metric tons yearly since 1972, but now Japanese fisheries operate under such a severe circumstances of the new order of the ocean of "200 Mile Fishing Zone" which had been established in 1976 or so by countries concerned. On the other hand, the effective utilization of fisheries resources in the waters around Japan is becoming an important problem for Japanese fisheries.

We hope, under these conditions, this bulletin would benefit for readers to understand the situation of the current Japanese fishery. We would much appreciate if readers could provide us any suggestion to improve the bulletin.

July, 1979



SHOJI YANAI
Director
Statistics and Information Department
Ministry of Agriculture, Forestry and Fisheries

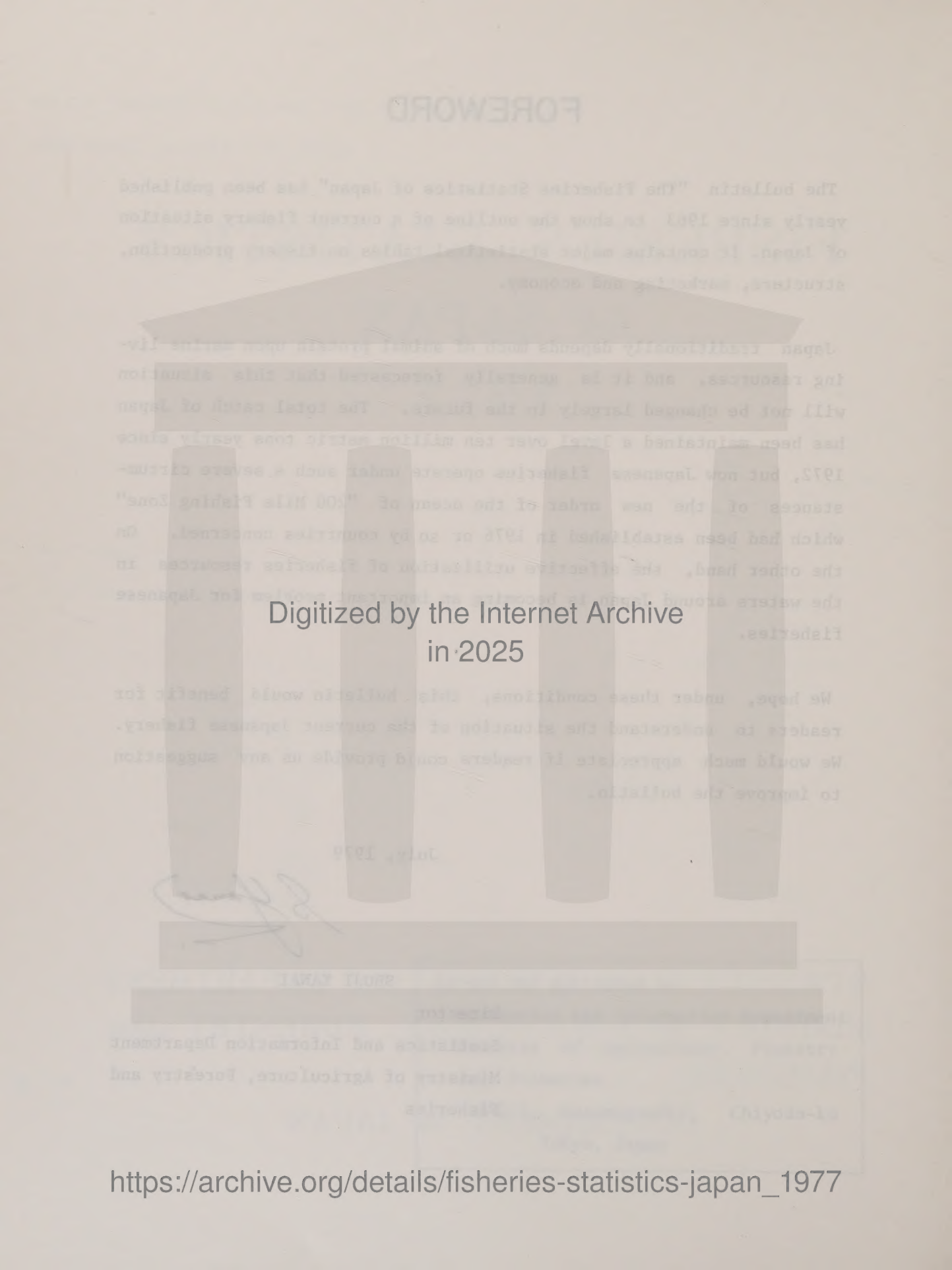

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Table No. 11, 12	Fisheries Agency Ministry of Agriculture, Forestry and Fisheries
Table No. 17-19	Bureau of Customs, Ministry of Finance
Table No. 20	Minister's Secretariat Ministry of Agriculture, Forestry and Fisheries
Table No. 21, 22	Bureau of Statistics Office of the Prime Minister
Reference Table 1, 2	F. A. O.

2 Period of inquisition

As a principle, the statistics in this bulletin are inquired by the calender year but the figures of the whaling in the Antarctic Ocean are given for the "Whaling year" (from Nov. 1976 to Mar. 1977)

3 Symbols

The following symbols are used in this publication:

[0] means "Less than the unit amount"

[---] means "Unknown or not available"

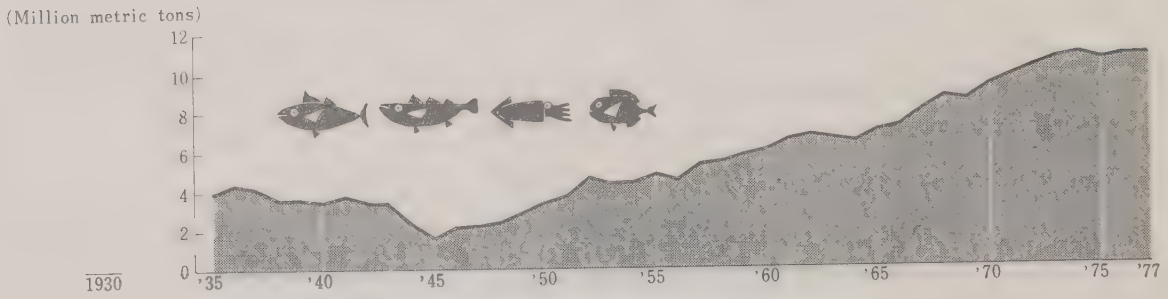
[-] means "No record"

[Δ] means "Minus"

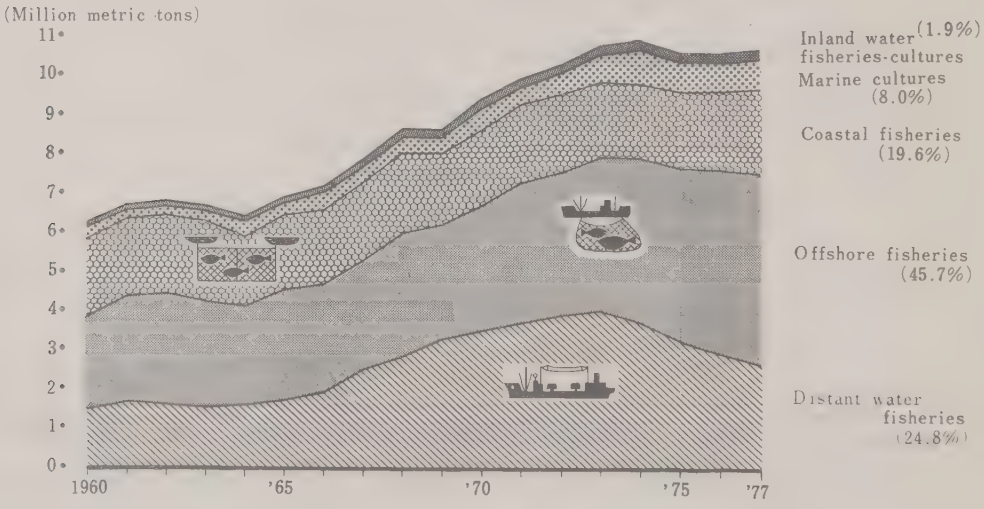
STATISTICAL CHARTS

I FISHERIES PRODUCTION

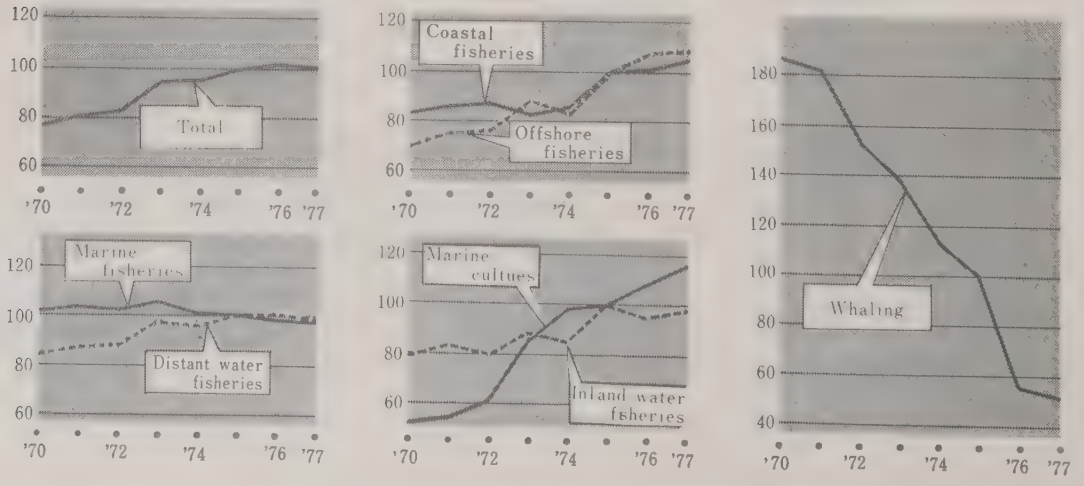
1 Annual Trend of Total Catch, 1935～1977



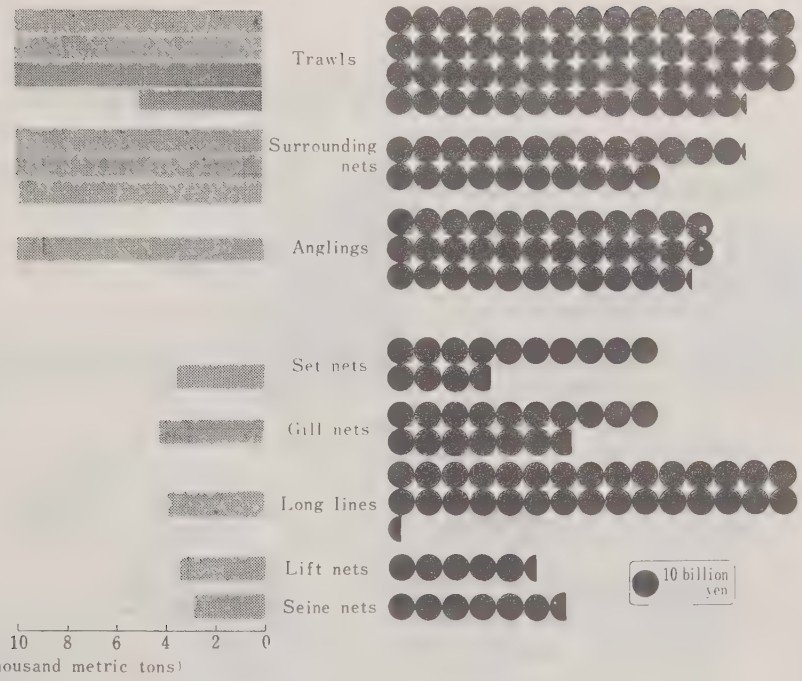
2 Total Catch by Type of Fisheries, 1960～1977



3 Index of Fishery Production (1975=100), 1970～1977

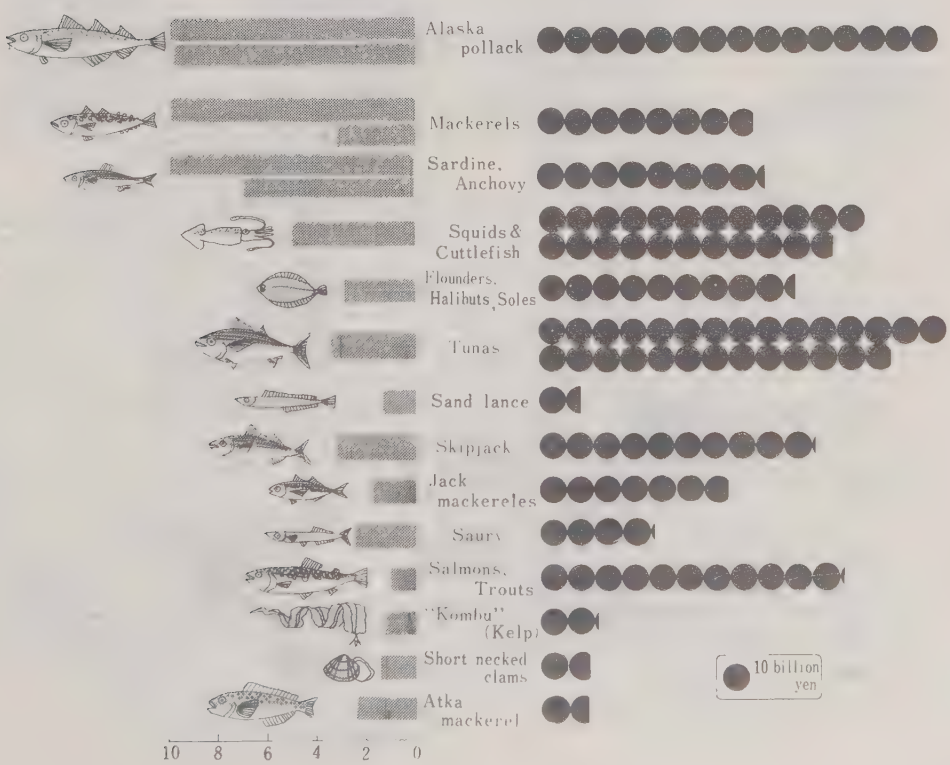


4 Catch by Type of Fishery, 1977



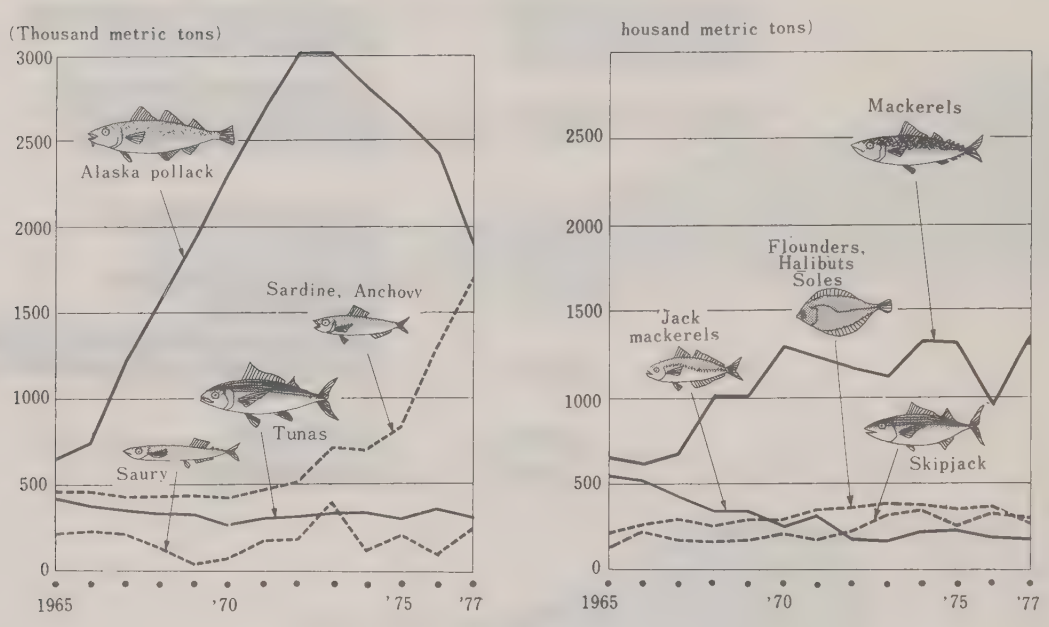
(100 thousand metric tons)

5 Catch by Major Fish, 1977

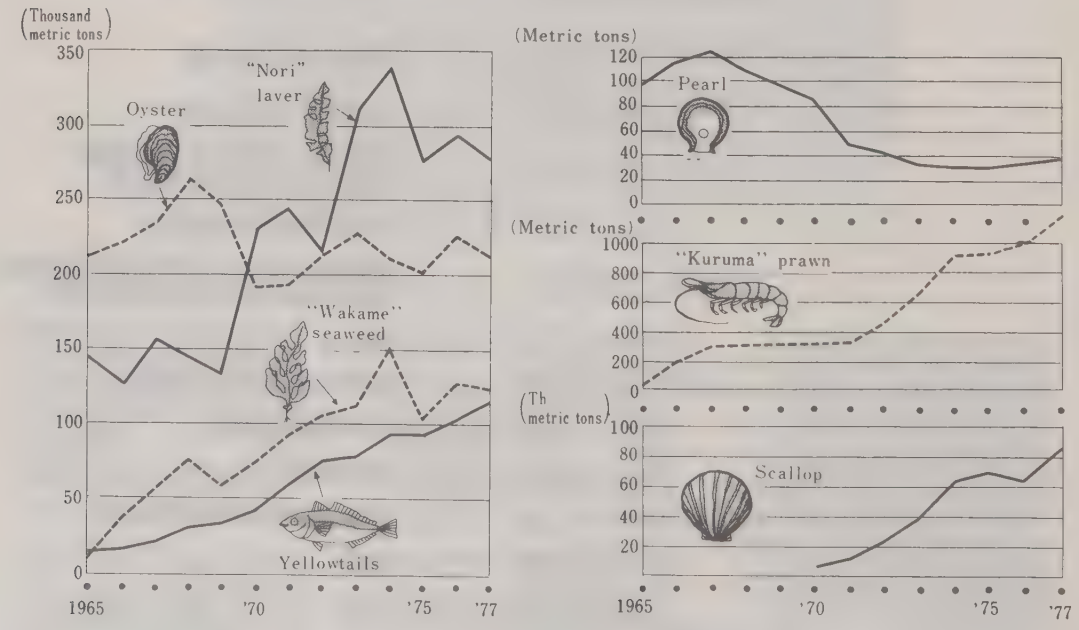


(100 thousand metric tons)

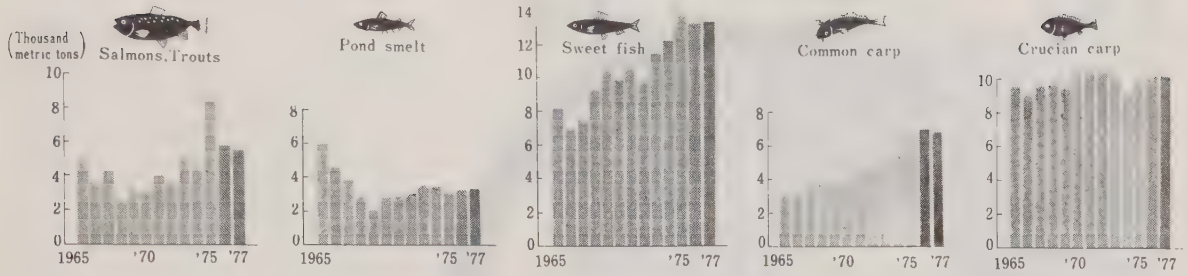
6 Catch by Major Fish, 1965～1977



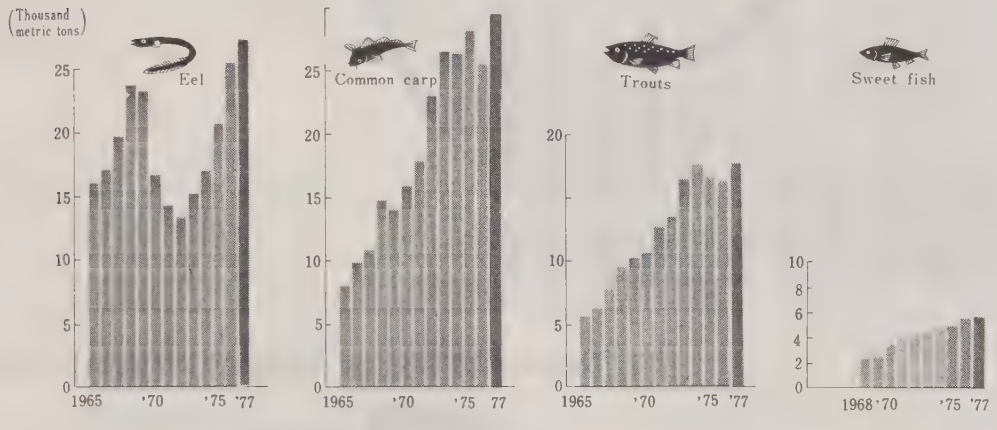
7 Yield of Marine Cultures, 1965～1977



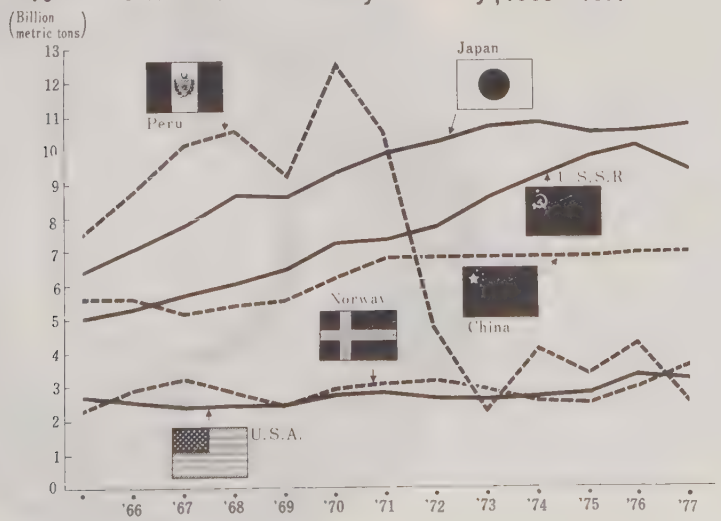
8 Catch of Major Inland Water Fish, 1965~1977



9 Yield of Major Inland Water Culture Fish, 1965~1977

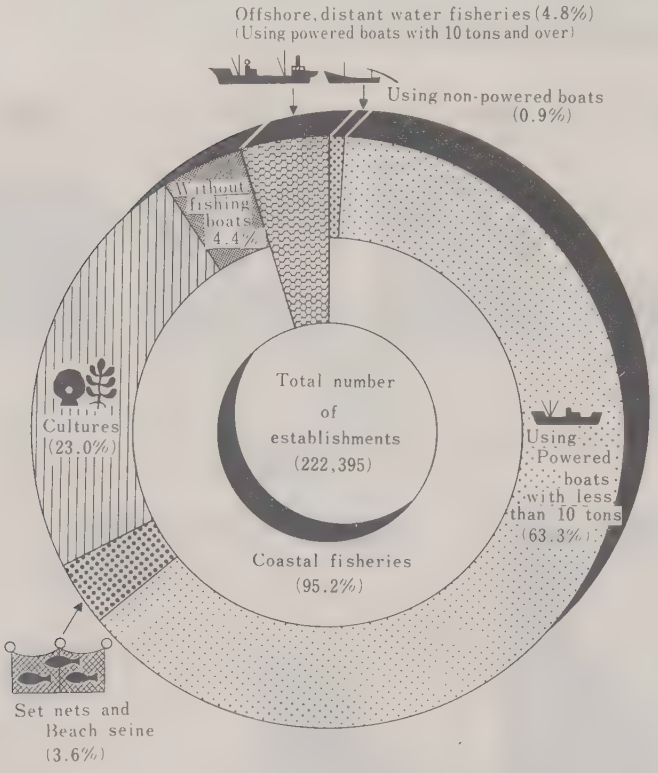


10 Catch of the World by Country, 1965~1977

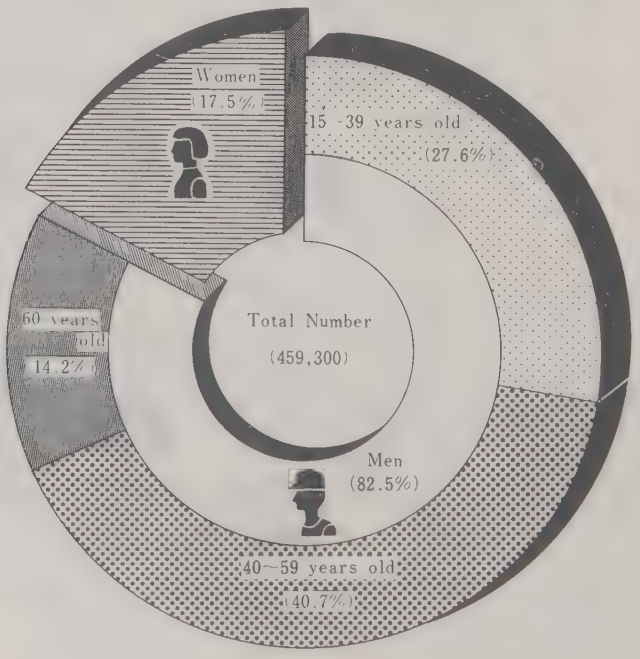


II STRUCTURE OF FISHERY PRODUCTION

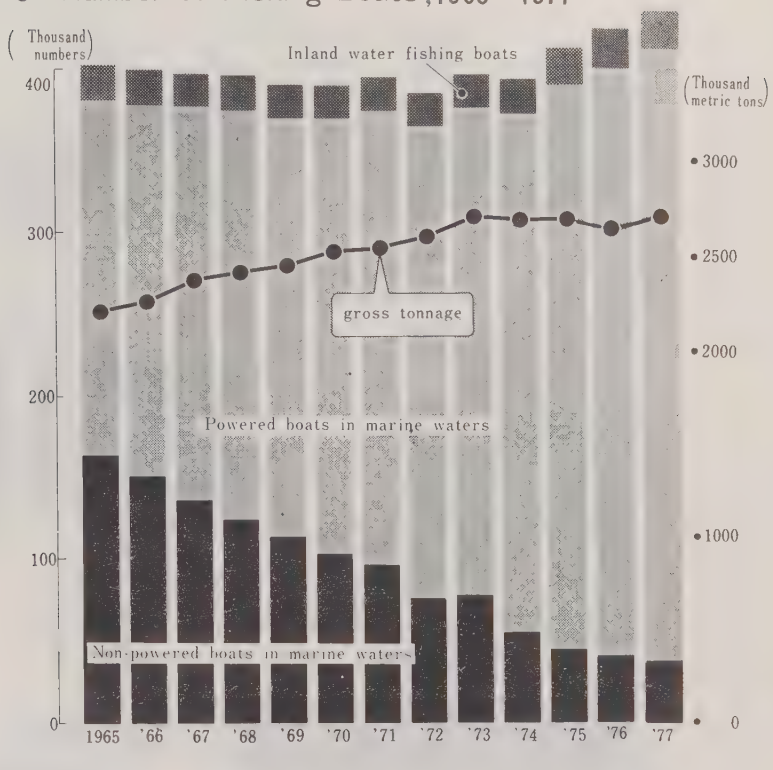
1 Number of Marine Fishey Establishments, 1977



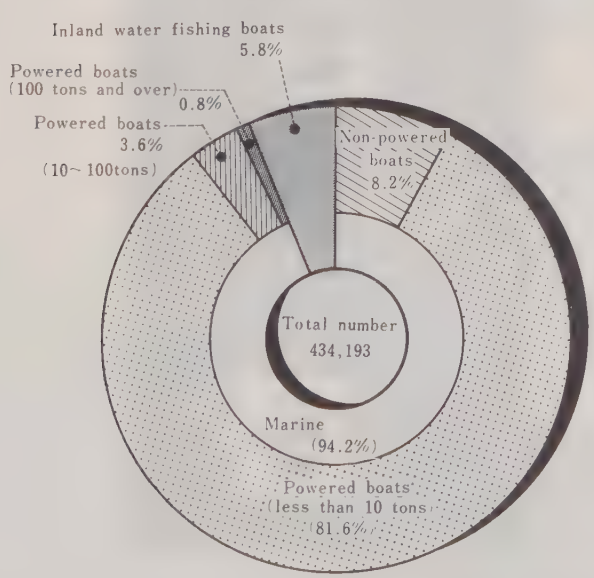
2 Number of Marine Fishery Workers, 1977



3 Number of Fishing Boats, 1965～1977

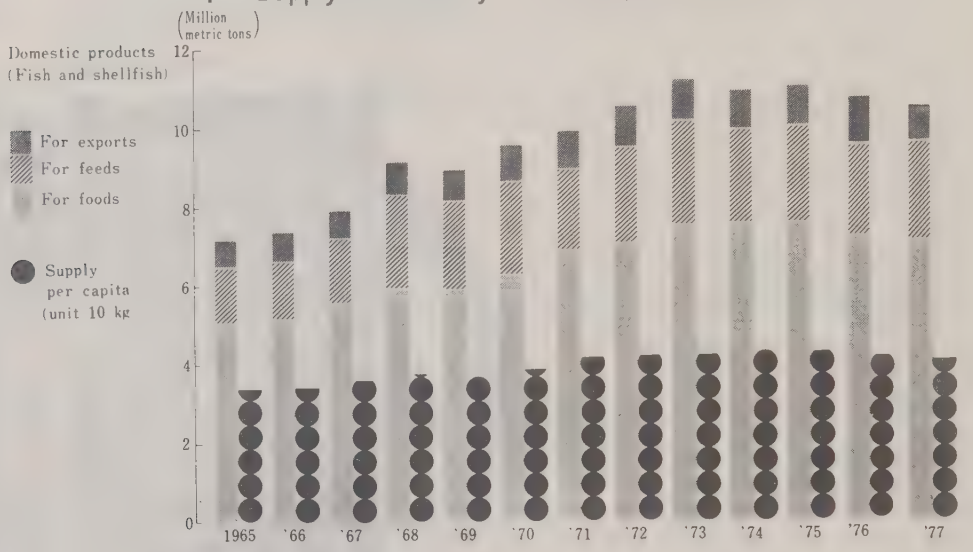


4 Number of Fishing Boats, 1977



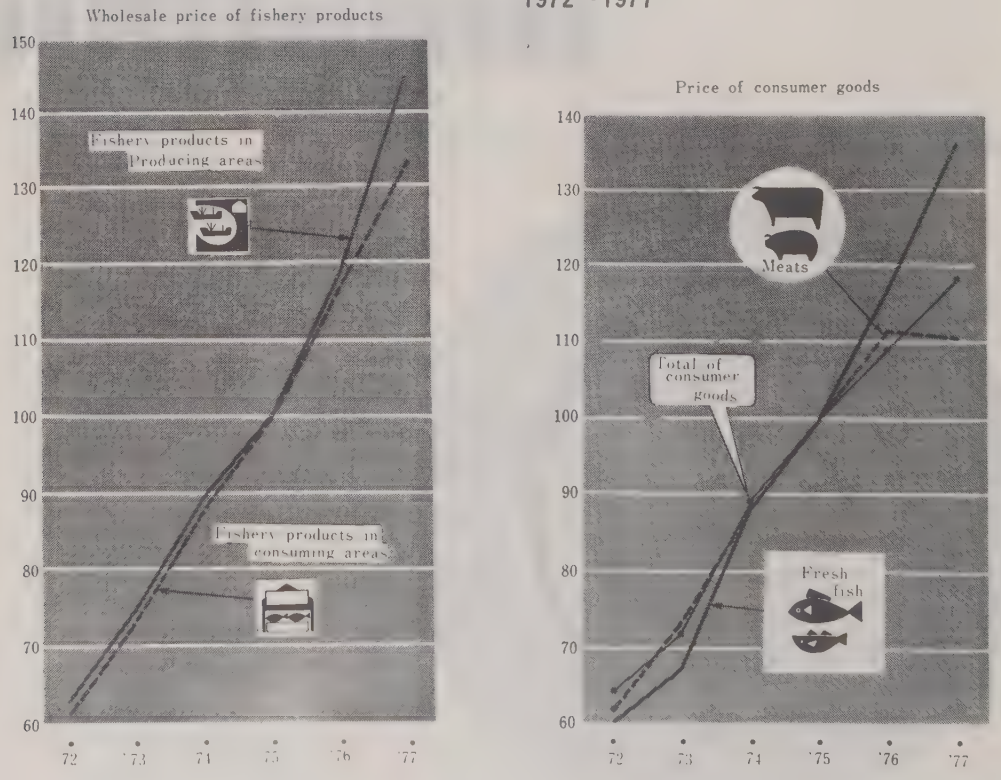
III MARKETING OF FISHERY PRODUCT

1 Supply of Fishery Products, 1965～1977

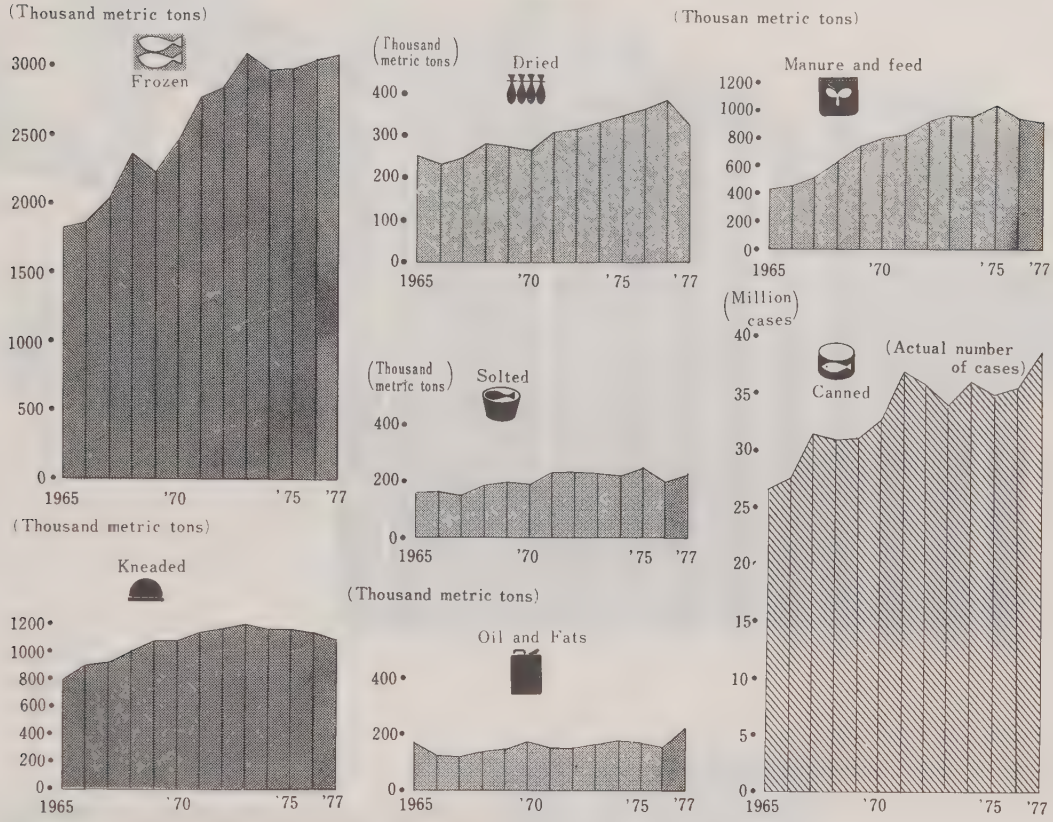


2 Price Index of Fishery Products (1975=100)

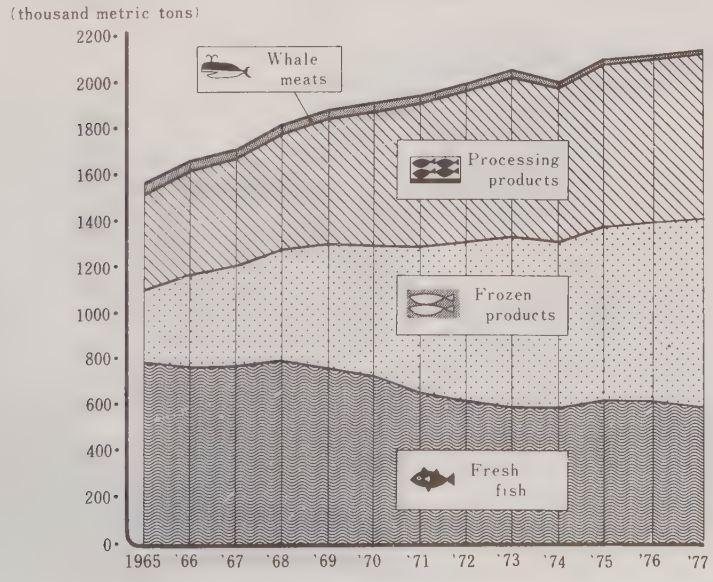
1972～1977



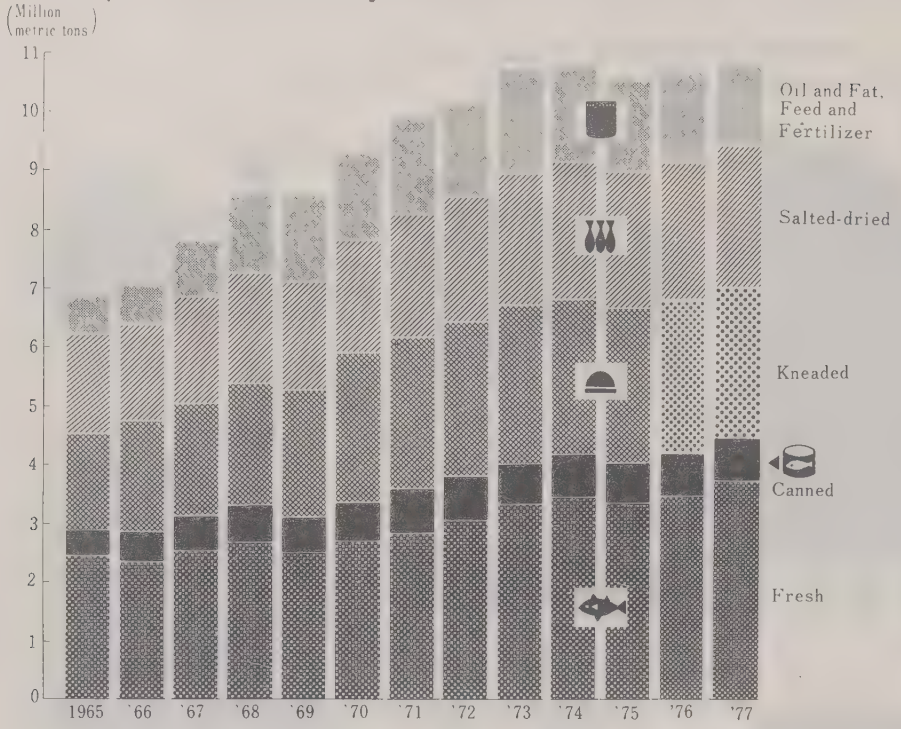
3 Fishery Processing Products, 1965～1977



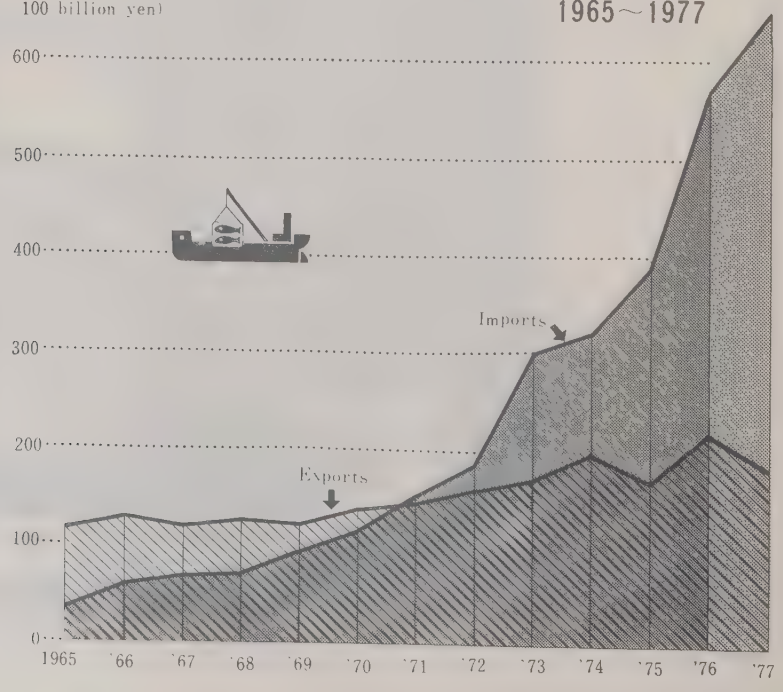
4 Volume Transacted by Group of Commodity in Six Large Central Wholesale Markets, 1965～1977



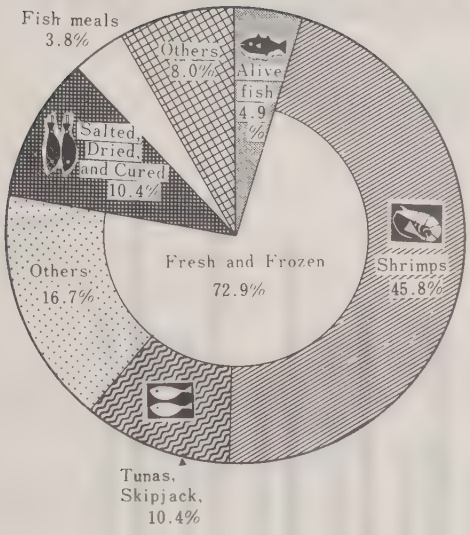
5 Disposition of Fishery Products, 1965～1977

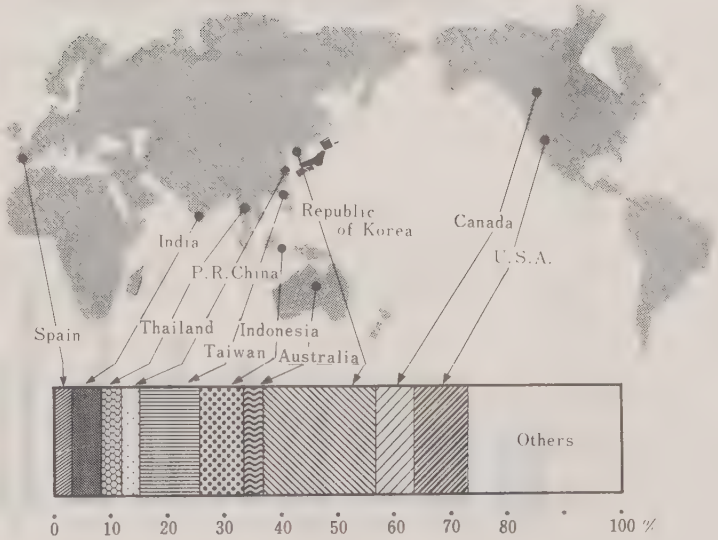


6 Exports and Imports of Fishery Products, 1965～1977

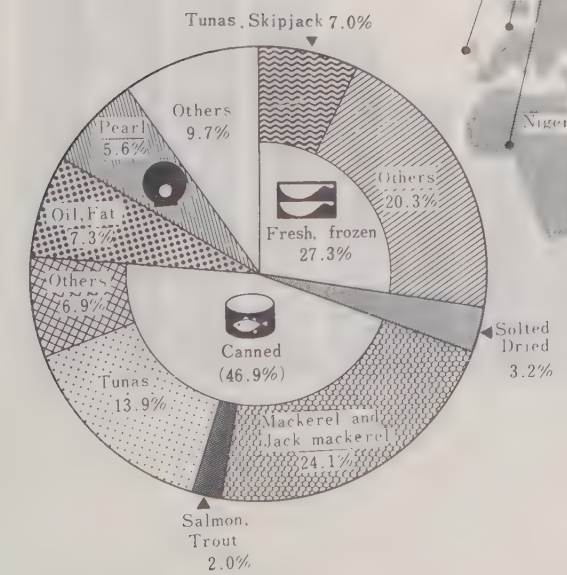


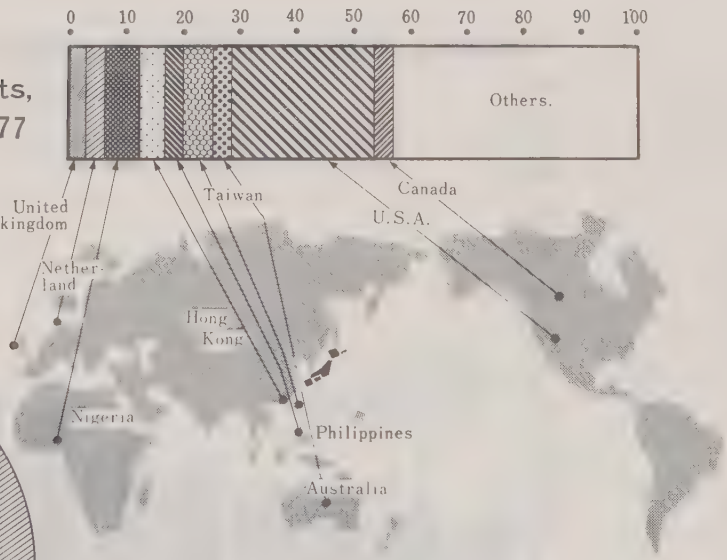
7 Imports of Fishery Products, 1977 (in value)





8 Exports of Fishery Products, (in value) 1977

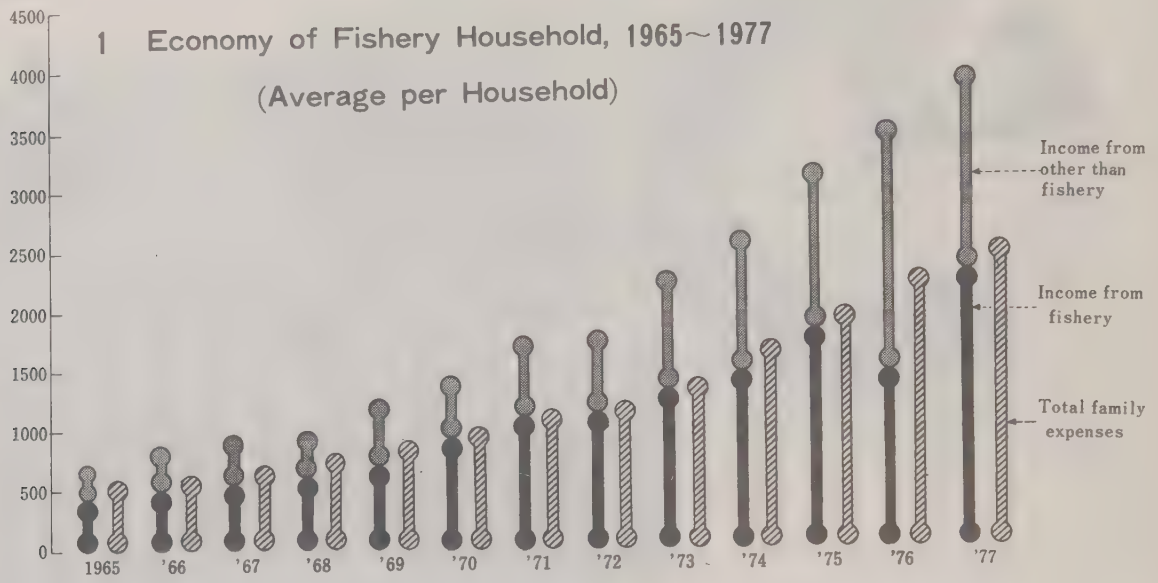




Ⅳ ECONOMY OF FISHERY MANAGEMENT UNIT

1 Economy of Fishery Household, 1965～1977

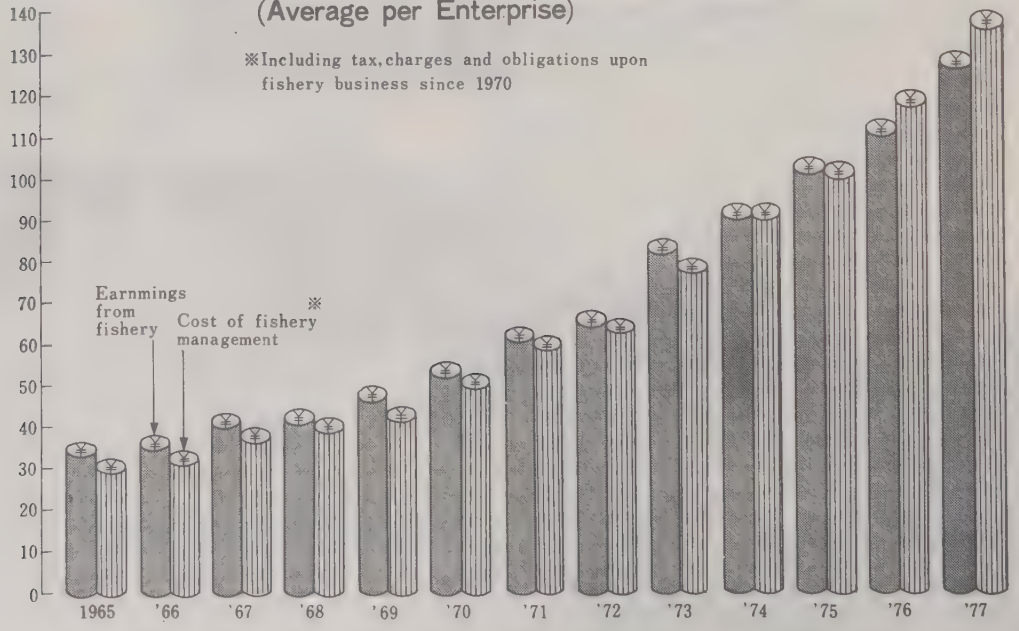
(Average per Household)



2 Economy of Middle and Small Size Fishery Enterprise, 1965～1977

(Average per Enterprise)

※Including tax, charges and obligations upon fishery business since 1970



STATISTICAL TABLES

I FISHERIES PRODUCTION

1 SUMMARY OF CATCH BY FISHERY SECTOR, 1940～1977

Unit { Quantity: Thousand metric tons
Value : Hundred million yen

Year	Total		Marine Fisheries		Marine Cultures		Inland Water Fisheries		Inland Water Cultures		Whalings	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Numbers	Value
1940	3,526	---	3,427	---	78	---	---	---	10	---	9,628	---
1945	1,824	---	1,750	---	61	---	---	---	12	---	531	---
1950	3,373	---	3,255	---	48	---	63	---	5	---	5,332	---
1951	3,930	---	3,774	---	88	---	60	---	6	---	6.335	---
1952	4,823	---	4,646	---	113	---	53	---	9	---	7,816	---
1953	4,598	---	4,387	---	144	---	57	---	8	---	6,631	---
1954	4,541	---	4,304	---	145	---	82	---	9	---	9,591	---
1955	4,907	---	4,658	---	154	---	82	---	11	---	11,866	---
1956	4,772	2,310	4,488	2,012	180	206	90	62	13	30	14,124	160
1957	5,407	2,582	5,067	2,303	244	174	81	73	14	31	15,439	213
1958	5,506	2,569	5,198	2,257	214	205	78	70	15	37	19,922	196
1959	5,884	2,877	5,568	2,535	225	236	75	69	15	36	20,527	221
1960	6,192	3,448	5,817	2,983	284	338	74	80	15	47	19,649	234
1961	6,710	3,952	6,287	3,340	322	455	81	93	18	64	20,848	267
1962	6,864	4,266	6,397	3,567	362	538	84	94	20	68	22,240	269
1963	6,698	4,830	6,200	3,988	389	650	84	98	23	94	22,373	309
1964	6,350	4,976	5,868	4,039	362	724	89	102	29	111	24,410	323
1965	6,908	5,558	6,382	4,516	380	816	113	101	33	126	26,986	376
1966	7,103	6,260	6,558	5,005	405	974	103	118	36	164	22,784	290
1967	7,851	7,026	7,241	5,677	470	1,074	97	109	42	166	21,088	252
1968	8,670	7,448	7,993	6,097	522	1,010	103	119	52	221	21,586	237
1969	8,613	8,488	7,976	6,928	473	1,130	112	144	52	285	17,409	221
1970	9,315	9,692	8,598	7,852	549	1,353	119	170	48	317	16,887	272
1971	9,909	10,894	9,149	8,957	609	1,374	101	214	50	349	16,419	314
1972	10,213	11,796	9,400	9,417	648	1,708	109	231	56	441	17,590	278
1973	10,763	14,641	9,793	11,564	791	2,252	114	299	64	528	14,012	273
1974	10,808	17,084	9,749	13,789	880	2,325	112	348	67	622	14,277	327
1975	10,545	18,870	9,573	15,204	773	2,536	127	417	72	713	13,427	337
1976	10,656	21,862	9,605	17,702	850	2,933	124	415	77	811	9,632	216
1977	10,764	25,451	9,695	20,513	861	3,522	126	486	82	930	9,299	206

2 SUMMARY OF CATCH BY SPECIES GROUP, 1940~1977

Unit: Thousand metric tons

Year	Total	Marine Waters					Inland Waters				
		Fishes	Molluses	Crus-taceans	Aquatic plants	Others	Fishes	Molluses	Crus-taceans	Aquatic plants	Others
1940	3,526	2,435	441	35	523	---	29	---	---	---	---
1945	1,824	1,222	313	31	228	---	13	---	---	---	---
1950	3,373	2,210	760	49	257	28	32	12	1	23	1
1951	3,930	2,572	922	56	290	22	30	12	1	23	2
1952	4,823	3,268	1,033	72	361	27	35	13	1	12	1
1953	4,598	3,253	889	70	292	27	37	15	1	12	2
1954	4,541	3,239	786	99	287	38	44	14	2	31	1
1955	4,907	3,541	802	106	310	53	52	14	3	25	1
1956	4,772	3,441	774	95	304	52	60	16	3	24	3
1957	5,407	3,877	894	108	402	27	64	24	5	2	4
1958	5,506	4,017	893	119	339	42	62	26	3	1	4
1959	5,884	4,267	1,027	119	337	44	59	26	1	1	4
1969	6,192	4,463	1,078	126	386	51	60	25	1	1	3
1961	6,710	5,015	985	138	425	49	66	28	2	1	3
1962	6,864	4,911	1,158	149	501	41	69	30	2	1	3
1963	6,698	4,653	1,303	159	425	51	72	33	1	1	2
1964	6,350	4,745	925	153	361	48	80	35	1	0	2
1965	6,908	5,093	1,082	132	406	52	86	56	1	0	2
1966	7,103	5,232	1,097	142	436	57	86	50	1	0	2
1967	7,851	5,742	1,225	149	534	60	92	42	2	0	2
1968	8,670	6,340	1,430	186	503	57	104	44	2	1	4
1969	8,613	6,561	1,238	153	444	53	107	51	3	1	3
1970	9,315	7,289	1,132	146	521	59	103	58	3	1	3
1971	9,909	7,913	1,065	126	587	66	107	36	5	1	2
1972	10,213	8,075	1,217	137	559	59	110	46	5	1	2
1973	10,763	8,645	1,130	141	653	64	124	45	6	1	2
1974	10,808	8,543	1,129	170	601	85	126	44	6	1	3
1975	10,545	8,341	1,156	147	627	75	141	48	7	1	3
1976	10,656	8,378	1,196	129	665	87	142	48	5	1	5
1977	10,764	8,467	1,223	126	638	101	150	49	6	0	3

3 CATCH IN QUANTITY

	1973	1974	1975	1976	1977
Total 1)	10,762,644	10,808,220	10,545,148	10,655,903	10,763,907
Marine Fisheries	9,793,029	9,749,031	9,573,068	9,605,283	9,694,699
Fishes	8,561,554	8,446,279	8,243,093	8,269,154	8,342,982
Tunas, albacore	341,818	348,950	310,616	367,793	336,530
Marlins, swordfishes	46,693	48,712	50,561	45,155	41,548
Skipjack, frigate mackerel	356,343	373,573	273,640	351,248	322,703
Sharks, rays	50,020	46,365	49,564	51,471	58,839
Salmons, trouts	136,009	132,531	159,338	126,094	116,465
Herring	82,658	76,273	66,617	66,083	19,873
Sardine, round herring	337,286	397,848	569,983	1,118,168	1,464,655
Anchovy	335,425	287,516	245,164	216,664	244,933
Jack mackerel, scads	182,720	215,729	235,316	206,667	185,801
Mackerels	1,134,503	1,330,625	1,318,210	978,826	1,355,309
Saury	406,445	135,462	221,573	105,419	253,465
Yellowtails	52,916	40,977	38,316	42,763	26,915
Flounders, halibuts, soles	388,547	356,751	348,334	352,134	288,025
Cod	108,513	108,399	92,370	90,468	85,252
Alaska pollack	3,020,870	2,855,896	2,677,371	2,445,423	1,931,072
Atka mackerel	114,986	143,500	114,706	229,194	234,812
Rockfishes	111,208	122,963	95,407	89,810	61,926
Croakers	45,481	51,775	45,107	39,044	40,439
Hairtail	41,592	39,262	32,423	30,564	28,154
Sea breams	30,317	29,558	28,970	29,325	29,666
Spanish mackerel	14,220	21,149	14,633	15,204	40,621
Sand lance	193,994	299,855	274,850	224,390	137,340
Others	1,028,990	982,610	980,024	1,047,247	1,038,639
Crustaceans	140,324	169,504	145,620	127,593	125,049
Spiny lobster	1,327	1,289	1,086	1,028	971
"Kuruma" prawn	2,780	2,653	2,895	2,579	2,440
Other prawns, shrimps	58,209	74,972	65,356	57,415	50,019
King crab	6,179	5,461	1,823	1,258	287
Queen crab	33,381	30,066	24,201	22,028	21,070
Other crabs	38,448	55,063	50,259	43,285	50,262
Molluscs	810,757	855,417	884,615	904,553	927,082
Common squid	347,566	335,018	378,344	300,963	264,287
Other squids, cuttlefishes	138,721	134,949	152,583	189,725	248,378
Octopuses	63,764	76,731	73,962	66,873	67,913
Abalones	5,839	4,971	5,416	5,655	5,203
Short necked clams	114,459	137,719	122,052	135,573	155,506
Common scallop	22,208	25,207	30,274	30,270	43,502
"Mogai" clam	20,180	36,530	18,489	11,068	5,950
Other clams, shellfishes	98,020	104,292	103,495	164,426	136,343

BY SPECIES, 1973～1977

Unit: Metric tons

Species	1973	1974	1975	1976	1977
Echinodermata, etc.	57,462	77,724	67,199	76,639	92,127
Sea urchins	26,004	23,573	22,482	23,069	26,898
Sea cucumbers	10,573	10,817	9,380	10,579	9,793
Other marine animals	20,885	43,334	35,337	42,991	55,436
Marine mamals	1,747	2,066	1,522	1,768	1,429
Seaweeds	221,185	198,041	231,019	225,576	206,030
Kelps	130,537	119,405	157,760	159,162	132,989
"Wakame" seaweed	26,430	20,098	19,200	19,337	20,180
Agar-agar	16,640	13,414	12,104	10,081	11,634
Others	47,668	45,124	41,955	36,996	41,227
Marine Cultures	790,974	879,761	772,741	849,909	861,389
Yellowtails	80,269	92,685	92,352	101,619	114,866
Pearl	34	30	30	34	39
Oyster	229,899	210,583	201,173	226,286	212,786
Common scallop	39,372	62,673	70,256	64,909	83,180
"Nori" seaweed	311,410	339,314	278,127	291,050	279,031
"Wakame" seaweed	113,159	153,762	102,058	126,723	125,833
Others	16,831	20,714	28,745	39,288	45,654
Inland Water Fisheries	114,212	112,329	127,220	124,066	125,660
Salmons, trouts	4,894	4,615	8,719	5,750	5,593
Sweet fish	11,356	12,268	13,951	13,272	13,451
Common carp, crucian cap	15,452	15,045	16,589	17,073	17,076
Eel	2,107	2,083	2,202	2,040	2,102
Fresh water clams	45,004	43,874	47,793	48,214	49,358
Others	35,399	34,444	37,966	37,717	38,080
Inland Water Cultures	64,429	67,099	72,119	76,645	82,159
Trouts	16,425	17,631	16,725	16,837	17,617
Sweet fish	4,428	4,712	4,991	5,726	5,875
Common carp, crucian carp	27,786	27,164	29,097	27,243	30,302
Eel	15,247	17,077	20,749	26,251	27,630
Others	543	515	558	588	735
Whaling 2)	14,012	14,277	13,427	9,632	9,299
Blue whale	–	–	–	–	–
Fin whale	1,441	945	727	118	–
Humpback whale	–	–	–	–	–
Sei whale	4,745	4,571	3,539	1,977	1,737
Sperm whale	5,082	4,579	5,184	4,132	3,312
Mink whale	2,633	4,085	3,870	3,377	4,198
Bottlenose whale	32	32	46	13	44
Pilot whale	77	62	53	11	6
Others	2	3	8	4	2

Notes : 1) Excluding whales.

2) Actual number of catch.

4 CATCH IN VALUE

Spacies	1973	1974	1975	1976	1977
Total	1,491,461	1,741,134	1,920,668	2,207,736	2,565,646
Marine Fisheries	1,156,376	1,378,903	1,520,345	1,770,243	2,051,325
Fishes	887,072	1,010,087	1,104,331	1,302,713	1,530,142
Tunas, albacore	176,357	201,976	203,665	245,993	278,989
Marlins, swordfishes	20,482	26,718	29,537	30,694	32,143
Skipjack, frigate mackerel	60,649	74,022	74,116	86,747	103,870
Sharks, rays	3,757	3,743	4,397	5,595	6,728
Salmons, trouts	70,627	78,157	109,943	96,800	111,084
Herring	10,904	9,943	9,307	13,479	4,872
Sardine, round herring	14,620	19,739	20,339	45,390	62,566
Anchovy	18,099	17,966	16,910	18,038	20,851
Jack mackerel, scads	30,041	41,788	46,699	58,780	68,525
Mackerels	42,812	63,885	57,090	70,710	79,494
Saury	25,307	9,989	25,232	21,585	41,117
Yellowtails	23,585	27,380	29,480	36,685	28,140
Flounders, halibuts, soles	53,854	57,320	70,328	80,608	93,865
Cod	10,435	12,016	12,476	14,630	16,766
Alaska pollack	91,034	99,566	99,466	111,457	147,261
Atka mackerel	3,533	4,738	3,565	8,014	10,996
Rockfishes	12,554	16,818	16,282	16,758	17,237
Croakers	5,544	6,814	7,177	8,235	8,910
Hairtail	4,822	4,959	6,017	7,098	8,594
Sea breams	28,736	31,492	34,437	42,549	47,223
Spanish mackerels	3,172	3,750	4,904	6,073	11,935
Sand lance	7,532	9,771	11,714	13,181	15,321
Others	161,219	181,181	211,250	263,614	313,655
Crustaceans	67,585	90,601	90,071	97,380	103,475
Spiny lobster	3,950	4,712	4,142	4,858	5,081
"Kuruma" prawn	7,564	8,546	10,017	9,119	10,482
Other prawns, shrimps	28,353	45,752	44,210	50,961	50,685
King crab	2,557	4,257	865	731	178
Queen crab	13,184	12,680	12,851	13,027	15,117
Other crabs	11,977	14,654	17,986	18,684	21,932
Molluscs	160,973	231,237	274,103	308,052	349,634
Common squid	64,194	111,361	130,169	119,884	125,603
Other squids, cuttlefishes	41,722	50,666	59,459	80,490	101,886
Octopuses	16,545	21,807	26,496	29,330	32,786
Abalones	9,841	10,305	13,848	16,029	16,136
Short necked clam	5,360	8,178	8,683	11,969	17,236
Common scallop	4,136	4,086	5,353	8,203	10,551
"Mogai" clam	764	1,662	2,241	1,413	1,016
Other clams, shellfishes	18,411	23,172	27,854	40,734	44,420

BY SPECIES, 1973～1977

Unit: Million yen

Species	1973	1974	1975	1976	1977
Echinodermata, etc.	14,529	19,196	20,621	28,874	36,845
Sea urchins	7,962	9,591	10,437	14,313	17,203
Sea cucumbers	2,442	3,238	3,411	5,064	4,349
Other marine animals	4,125	6,367	6,773	9,497	15,293
Marine mammals	187	330	175	298	186
Seaweeds	26,030	27,453	31,044	32,926	31,043
Kelps	17,828	18,782	22,195	23,594	20,969
"Wakame" seaweed	3,164	2,612	2,497	2,449	2,706
Agar-agar	1,686	1,632	1,730	2,011	2,068
Other	3,352	4,427	4,624	4,872	354,934
Marine Cultures	225,146	232,494	253,612	293,343	352,156
Yellowtails	45,235	72,705	85,617	91,159	120,313
Pearl	16,297	14,473	18,510	22,158	25,456
Oyster	12,836	16,511	19,897	24,455	27,803
Common scallop	7,233	11,838	14,334	19,227	23,153
"Nori" laver	117,905	88,068	83,546	94,089	108,267
"Wakame" seaweed	10,675	11,134	8,538	11,271	9,232
Others	12,877	15,517	19,936	30,984	37,932
Inland Water Fisheries	29,848	34,843	41,704	41,479	48,627
Salmons, trouts	2,166	2,163	3,972	3,177	3,445
Sweet fish	11,143	14,767	17,377	16,124	19,148
Common carp, crucian carp	3,644	4,177	4,835	5,008	5,578
Eel	2,474	2,828	3,210	2,558	2,845
Fresh water clams	1,943	2,603	4,095	4,822	6,434
Others	8,478	8,305	8,215	9,790	11,177
Inland Water Cultures	52,760	62,168	71,285	81,082	92,986
Trouts	7,727	9,115	8,230	9,008	10,764
Sweet fish	4,269	5,579	6,237	6,734	8,488
Common carp, crucian carp	11,525	11,693	12,146	10,808	13,218
Eel	27,116	33,556	41,913	51,452	56,863
Others	2,123	2,225	2,759	3,080	3,653
Whalings	27,331	32,725	33,722	21,589	20,552

5 CATCH IN QUANTITY AND VALUE

Type of Fisheries	1973		1974	
	Q	V	Q	V
Total 1)	10,762,644	1,464,130	10,808,220	1,708,409
Marine Fisheries	9,793,029	1,156,376	9,749,031	1,378,903
Mother ship types				
Mother ship type trawl.....	1,109,886	31,643	962,143	32 308
Mother ship type salmon fishery..	35,588	18,855	33,563	17,413
Mother ship type crab fishery....	17,159	6,633	13,467	4,112
Mother ship type tuna long line..	7,929	2,997	2,310	1,005
Trawls				
Large trawls in N.Pacific Ocean..	1,764,545	84,592	1,643,020	87,695
Large trawl in Southern Ocen.....	307,187	48,695	280,933	50,468
Large trawl in East China Sea....	220,964	45,793	218,858	54,682
Shrimp trawl	700	683	5,016	5,813
Medium trawl (one boat operation)	945,116	47,988	1,140,087	58,003
(two boats operation)	61,680	10,402	61,958	12,572
Small trawls	258,814	66,971	291,679	83,797
Surrounding nets				
Large and medium surrounding net (one boat operation).....	1,085,957	58,669	1,346,949	86,022
(two boats operation).....	194,613	9,910	166,769	9,979
Purse seine(one boat operation)..	247,297	21,077	239,816	26,595
(two boats operation).	251,862	18,176	221,580	19,665
Others	16,152	4,797	24,063	5,237
Lift nets				
Saury stick held dip net	390,716	24,215	127,987	9,351
Others	80,045	7,036	121,912	10,236
Gill nets				
Salmon drift gill net	57,703	31,695	51,884	33,614
Others	325,545	53,168	338,245	61,599
Seine nets				
Beach seine	13,836	1,650	10,777	1,631
"Patchi" seine	105,555	9,082	103,403	11,177
Boat seine	113,671	18,560	110,445	20,068
Set nets				
Salmon large set net	32,805	20,837	39,766	26,583
Other large set net	129,847	25,083	148,018	34,880
Small set nets	129,119	23,188	120,727	28,015
Anglings				
Skipjack pole-and-line on distant waters	272,182	55,155	286,446	64,607
Skipjack pole-and-line on offshore waters	103,117	20,219	130,641	25,573
Skipjack pole-and-line on coastal waters	22,945	3,709	28,025	6,627
Mackerel pole-and-line.....	62,886	3,346	59,202	3,526
Other mackerel anglings	7,253	553	9,393	859
Squid angling	354,185	67,264	347,376	116,162
Others	92,870	34,283	89,566	41,075
Long lines				
Tuna long line on distant waters	216,752	126,800	205,119	136,121
Tuna long line on offshore waters	67,238	25,840	73,535	34,324
Tuna long line on coastal waters	16,055	6,529	15,981	10,465
Salmon long line	3,887	1,584	3,041	2,085
Others	95,560	23,141	85,108	27,250
Others				
N. Pacific Ocean tanner crab fishery	5.830	3.136	5,214	2,471
N. Pacific Ocean long line and gill net	29,765	6,021	29,642	7,990
Shellfish collecting	171,009	21,596	203,479	28,286
Seaweed collecting	218,177	25,818	195,689	27,180
Other fisheries	149,030	38,988	156,199	51,786
Marine Cultures	790,974	225,146	879,761	232,494
Inland Water Fisheries	114,212	29,848	112,329	34,843
Inland Water Cultures	64,429	52,760	67,099	62,168
Whalings				
Antarctic mother ship type	6,996	17,821	7,457	20,931
N. Pacific mother ship type.....	3,771	7,373	3,731	9,120
Coastal large type	2,593	1,837	2,620	2,430
Coastal small type	652	299	469	240

1) Excluding whalings.

BY FISHERY TYPE, 1973～1977

1975		1976		1977	
Q	V	Q	V	Q	V
10,545,148	1,886,946	10,655,903	2,186,147	10,763,907	2,545,094
9,573,068	1,520,345	9,605,283	1,770,243	9,694,699	2,051,325
796,050	33,613	764,416	41,064	563,208	47,247
33,907	17,901	32,418	20,020	23,565	17,608
8,099	3,598	8,100	4,177	9,770	5,838
2,017	1,100	1,229	676	501	---
1,389,088	87,916	1,170,959	84,942	1,013,519	79,339
285,527	55,247	301,471	65,411	407,144	77,286
210,552	56,077	184,882	63,039	206,182	71,910
3,819	4,627	3,341	4,711	2,901	5,104
1,309,128	64,803	1,388,533	86,623	916,909	105,425
61,129	13,994	60,259	17,906	68,276	19,438
286,999	97,458	287,890	112,390	323,789	136,171
1,378,885	88,078	1,429,651	127,472	2,016,216	149,447
190,007	6,985	162,717	6,943	128,258	5,304
250,358	24,207	359,914	35,984	411,759	43,773
219,339	18,000	267,165	23,558	269,761	27,977
24,435	6,560	20,495	7,410	25,823	4,851
216,488	24,731	99,435	20,411	244,159	39,394
94,474	10,392	115,675	13,649	108,711	15,102
55,702	36,776	48,973	37,746	38,354	33,354
309,506	71,978	295,270	88,874	335,612	100,096
11,781	2,293	11,371	2,631	10,054	2,629
105,106	15,119	110,334	17,766	136,817	21,428
110,750	28,279	136,718	34,168	140,819	41,640
57,125	45,259	34,318	29,607	42,786	43,964
183,336	36,348	164,564	43,622	166,347	46,192
140,931	33,368	132,604	38,242	147,289	47,786
203,219	56,430	253,306	72,748	205,872	20,077
102,685	29,020	154,141	39,910	120,204	41,108
16,678	4,550	19,133	6,115	17,589	6,652
53,655	2,597	93,570	5,322	139,058	10,812
6,985	784	8,168	1,036	8,306	1,188
409,405	139,516	377,261	146,536	346,542	159,830
88,768	46,823	95,410	58,159	87,039	62,244
198,120	141,729	191,436	149,990	201,596	2) 185,781
74,592	41,536	81,681	49,611	95,369	62,199
17,103	10,594	22,081	12,788	22,042	12,626
3,154	1,627	3,035	2,320	2,345	2,078
80,953	29,491	72,759	35,633	75,868	41,801
6,608	3,110	5,822	3,424	3,710	2,406
29,144	8,727	30,966	10,589	23,349	8,576
174,074	32,733	222,356	45,887	216,495	51,284
228,486	30,697	223,210	32,461	203,125	30,473
144,901	55,674	158,246	69,167	167,661	73,892
772,741	253,612	849,909	293,343	861,389	352,156
127,220	41,704	124,066	41,479	125,660	48,627
72,119	71,285	76,645	81,082	82,159	92,986
7,423	26,530	5,043	15,290	5,421	13,720
3,063	7,260	1,631	3,440	1,485	3,360
2,464	2,220	2,570	3,000	2,093	3,140
477	395	388	330	300	340

Notes: 2) Including mother ship type tuna long line

6 CATCHES OF MAJOR SPECIES

(1) Tunas, albacore

Unit: Metric tons

	1973	1974	1975	1976	1977
Total Catch	341,818	348,950	310,616	367,793	336,530
Tuna long line					
mother ship type	5,685	1,798	1,050	347	461
in distant waters	173,622	162,218	159,239	155,938	171,239
in offshore waters	41,952	47,700	48,343	56,279	65,870
in coastal waters	10,000	11,248	12,954	17,095	16,836
Skipjack pole-and-line	91,637	95,423	67,264	112,877	56,267
Surrounding nets	11,595	16,493	13,490	14,399	16,177
Others	7,327	14,070	8,276	10,858	9,680

(2) Marlins, swordfishes

Total Catch	46,693	48,712	50,561	45,155	41,548
Tuna long line					
mother ship type	1,280	436	947	861	30
in distant waters	29,298	31,230	27,383	24,726	19,938
in offshore waters	8,709	9,745	8,911	8,389	9,911
in coastal waters	1,469	1,070	1,394	1,508	1,838
Other gill nets	4,351	4,729	10,150	7,746	8,164
Others	1,586	1,502	1,776	1,925	1,667

(3) Skipjack

Total Catch	321,617	346,895	258,736	331,047	309,407
Skipjack pole-and-line					
in distant waters	197,481	205,491	151,621	170,416	168,993
in offshore waters	84,512	114,926	84,221	122,146	96,343
in coastal waters	9,863	12,864	8,506	10,070	12,099
Surrounding nets (one boat)	16,801	5,864	8,186	20,400	24,396
Surrounding nets (two boats)....	1,815	1,078	318	628	114
Other anglings	8,782	5,116	4,561	5,596	4,569
Others	2,363	1,556	1,323	1,791	2,893

(4) Salmons, trouts

Total Catch	136,009	132,531	159,338	126,094	116,465
Mother ship type salmon fishery.	35,588	33,563	33,907	32,418	23,565
Salmon drift gill net	57,705	51,884	55,702	48,973	38,354
Salmon large set net	29,365	36,247	53,183	34,254	37,349
Small set nets	5,531	4,553	6,867	5,180	6,958
Other long lines	4,058	3,071	3,797	3,137	2,539
Others	3,764	3,213	5,882	2,132	7,700

(5) Herring

Total Catch	82,658	76,273	66,617	66,083	19,873
Mother ship type trawl	434	1,746	501	2,272	564
Large trawl in Southern Ocean ..	2,849	3,436	2,079	868	1
Medium trawl(one boat)	21,680	14,760	9,985	22,460	8,151
Other gill nets	55,502	50,867	52,997	34,575	5,098
Others	2,193	5,464	1,055	5,908	6,059

BY FISHERY TYPE, 1973~1977

(6) Sardine, round herring

Unit: Metric tons

	1973	1974	1975	1976	1977
Total Catch	337,286	397,848	569,983	1,118,168	1,464,655
Surrounding nets (one boat)	107,446	168,988	257,790	761,233	1,016,906
Surrounding nets (two boats)	200,421	177,474	245,996	276,214	279,148
Other surrounding nets	1,941	2,962	4,077	1,919	1,325
Other lift nets	6,061	15,081	14,174	13,136	22,663
Set nets	17,586	27,512	39,959	50,642	79,875
Others	3,831	5,831	7,987	15,024	64,738

(7) Anchovy

Total Catch	335,425	287,516	245,164	216,664	244,933
Surrounding nets (one boat)	86,240	62,156	56,516	45,498	63,526
Surrounding-nets (two boats)	115,082	100,323	69,839	58,426	58,054
Set nets	18,091	15,035	13,523	10,045	17,956
"Patchi" seine	67,948	69,012	67,001	58,423	54,242
Boat seine	29,785	23,668	26,011	31,949	37,406
Others	18,279	17,322	12,274	12,323	13,749

(8) Jack mackerel, scads

Total Catch	182,720	215,724	235,316	206,667	185,801
Surrounding nets (one boat)	132,964	158,337	186,603	168,161	150,650
Surrounding nets (two boats)	22,405	22,527	11,889	11,581	8,656
Other lift nets	4,094	8,007	6,848	6,455	7,243
Set nets	12,864	15,589	16,789	10,700	9,329
Others	10,393	11,264	13,187	9,770	9,923

(9) Mackerels

Total Catch	1,134,503	1,330,625	1,318,210	978,826	1,355,309
Surrounding nets (one boat)	919,174	1,113,049	1,067,570	713,855	1,106,790
Surrounding nets (two boats)	90,719	71,194	69,742	72,832	40,445
Mackerel pole-and-line	62,841	59,150	53,118	93,470	138,113
Set nets	31,339	51,870	97,654	60,618	30,813
Others	30,430	35,362	30,126	38,051	39,148

(10) Saury

Total Catch	406,445	135,462	221,573	105,419	253,465
Saury stick held dip net	390,653	127,166	215,911	99,254	243,844
Other gill nets	13,033	3,832	1,673	3,177	2,996
Set nets	1,665	4,072	3,683	2,668	5,673
Others	1,094	392	306	320	952

6 CATCHES OF MAJOR SPECIES

(11) Yellowtails

Unit: Metric tons

	1973	1974	1975	1976	1977
Total Catch	52,916	40,977	38,361	42,763	26,915
Surrounding nets	12,100	7,255	6,877	6,553	3,427
Large set nets	14,293	13,206	12,800	11,574	6,695
Small set nets	3,874	3,385	3,389	3,647	2,832
Other gill nets	4,752	4,202	4,020	4,034	2,995
Other anglings	15,113	10,781	9,348	13,955	9,046
Others	2,784	2,148	1,882	3,000	1,920

(12) Flounders, halibuts, soles

Total Catch	388,547	356,749	348,334	352,134	288,025
Mother ship type trawl	124,383	110,682	97,656	104,313	62,819
Large trawls in N.Pacific Ocean..	115,934	90,291	82,711	80,729	75,324
Large trawl in East China Sea ...	17,139	19,535	26,228	22,351	16,616
Medium trawls	60,298	65,542	66,621	66,020	55,580
Small trawls	26,691	26,860	27,073	26,038	27,755
Other gill nets	32,098	32,642	36,525	36,896	39,320
Others	12,004	11,197	11,520	15,787	10,611

(13) Cod

Total Catch	108,513	108,399	92,370	90,468	85,252
Mother ship type trawl	29,848	32,306	23,162	19,200	18,456
Large trawls in N.Pacific Ocean..	30,036	26,612	18,734	26,264	20,213
Medium trawls	30,642	29,652	28,202	23,943	27,143
Other gill nets	6,520	6,128	8,097	7,033	7,611
Other long lines	8,230	10,927	8,489	6,351	4,221
Others	3,237	2,774	5,686	7,671	7,608

(14) Alaska pollack

Total Catch	3,020,870	2,855,896	2,677,371	2,445,423	1,931,072
Mother ship type trawl	949,750	806,147	663,029	630,182	478,155
Large trawls in N.Pacific Ocean..	1,453,533	1,331,742	1,138,707	911,740	803,207
Medium trawls	476,038	551,199	758,893	805,672	489,342
Other gill nets	100,987	135,852	90,501	72,539	122,372
Other long lines	33,927	20,497	20,907	17,199	23,855
Others	6,635	10,459	5,334	8,091	14,141

(15) Sea breams

Total Catch	30,317	29,497	28,970	29,325	29,666
Large trawl in Southern Ocean ...	2,458	3,063	2,543	1,293	1,660
Large trawl in East China Sea ...	4,559	3,406	2,966	4,396	4,112
Small trawls	2,320	2,554	2,545	2,607	2,802
Other gill nets	2,746	2,875	2,831	3,210	3,000
Boat seine	3,273	3,066	2,650	3,552	3,728
Other angling and long lines	10,475	10,185	9,604	9,763	10,014
Others	4,486	4,348	5,831	4,504	4,350

BY FISHERY TYPE, 1973～1977 (Continued)

(16) Sand lance

Unit: Metric tons

	1973	1974	1975	1976	1977
Total Catch	193,994	299,855	274,850	224,390	137,340
Medium trawls	100,563	192,151	189,462	117,817	57,338
Other lift nets	25,364	43,970	33,079	48,199	32,513
"Patchi" seine	10,013	13,356	11,650	6,841	3,906
Boat seine	30,040	39,417	30,951	42,347	31,786
Small set nets	12,986	6,885	7,650	7,201	7,861
Others	15,028	4,076	2,058	1,985	3,936

(17) Lobster, shrimps, prawns

Total Catch	62,316	78,914	69,337	61,022	53,430
Large trawls in N.Pacific Ocean	5,881	3,596	6,598	4,103	-
Shrimp trawl	700	5,010	3,819	3,341	2,901
Large trawl in East China Sea	6,316	18,146	7,923	6,924	4,191
Medium trawls	3,377	3,636	4,181	3,674	4,071
Small trawls	32,263	34,490	30,272	30,142	32,216
Other surrounding nets	2,964	4,417	5,673	2,941	99
Others	10,815	9,619	10,871	9,897	9,952

(18) Crabs

Total Catch	78,008	90,590	76,283	66,571	71,619
Mother ship type crab fishery	17,159	13,467	8,099	8,100	9,700
Medium trawls	7,800	5,879	4,493	4,133	4,280
Small trawls	7,350	6,287	6,511	5,306	5,668
Other gill nets	5,242	4,508	5,118	4,837	3,911
Other fishery (crab cages,etc.)	33,963	54,681	44,863	37,967	43,726
Others	6,494	6,875	7,199	6,228	4,334

(19) Squids, cuttlefishes

Total Catch	486,287	469,933	537,838	501,869	512,665
Large trawl in Southern Ocean	44,420	39,000	34,059	29,122	50,864
Large trawl in East China Sea	25,501	18,779	27,167	18,816	27,784
Medium trawls	21,604	22,004	20,382	21,764	29,628
Set nets	22,175	17,975	16,015	16,188	19,604
Squid angling	353,482	346,944	408,942	376,890	346,043
Others	19,105	25,231	31,273	39,089	38,742

(20) Octopuses

Total Catch	63,764	76,731	73,962	66,873	67,913
Large trawl in Southern Ocean	20,778	28,144	24,535	24,645	26,100
Medium trawls	2,511	2,527	2,456	2,025	2,445
Small trawls	9,423	10,363	12,419	10,129	8,078
Other long lines	7,784	9,017	8,129	5,808	4,925
Other fishery (octopus pots)	19,795	22,477	22,537	20,177	21,549
Others	3,473	4,203	3,886	4,089	4,816

7 INDEX OF FISHERY PRODUCTION BY TYPE OF FISHERIES, 1971～1977 (1975=100)

Group	1971	1972	1973	1974	1975	1976	1977
Fisheries total	80.2	83.0	95.1	96.1	100.0	102.0	101.5
Marine fisheries and marine cultures	81.0	83.4	95.8	96.5	100.0	103.5	106.0
Distant water fisheries 1)	103.7	102.8	106.6	100.3	100.0	98.3	97.3
Offshore fisheries 2)	74.6	77.7	88.6	84.7	100.0	108.1	108.9
Coastal fisheries 3)	87.5	88.2	83.3	86.5	100.0	100.6	106.2
Fisheries using fishing boat ...	97.2	98.4	88.9	91.5	100.0	106.2	111.0
Set net and beach seine fisheries	60.0	59.0	67.1	72.2	100.0	81.0	89.2
Marine cultures	54.8	60.7	85.8	98.7	100.0	109.4	116.3
Costal fisheries and marine cultures	66.5	69.3	77.6	84.6	100.0	103.6	109.6
Inland water fisheries and inland water cultures	74.2	73.9	82.7	87.0	100.0	108.4	113.0
Whalings	181.0	155.7	139.6	113.2	100.0	55.7	51.8

Notes : 1) This type of fisheries covers mother ship type fisheries, large trawl in Eastern China Sea, distant water trawls, tuna long line on distant water, skipjack pole-and-line on distant waters, North Pacific Ocean tanner crab fishing, North Pacific Ocean long line and gill net.

2) This type of fisheries covers fisheries operating with powered boat of more than 10 gross tonnage except for fisheries on distant waters, collecting shelfish, collecting seaweeds, set net and beach seine.

3) This type of fisheries covers fisheries operating without fishing boat, with nonpowered boat, with powered boat less than 10 gross tonnage and include collecting shellfish, collecting seaweeds, set net and beach seine.

4) The calculation method of the index is as follows:

(1) The items adopted amount to 125 commodities; 75 for marine fisheries, 15 for marine cultures, 10 for whaling, 14 for inland water fisheries, and 7 for inland water cultures.

(2) Formula

The index numbers are computed by the Laspeyres formula.

$$Q_{0t} = \frac{\Sigma W_0 (q_t / q_0)}{\Sigma W_0}$$

W_0 : Weights of the base period.

q_0 : Quantity of production in the base period.

q_t : Quantity of production in the current period.

(3) Weight

The weights were determined by the production value for 1974 and 1975 obtained by maltiplying quantity of production by price, and expressed as portions of 10,000.

8 INDEX OF FISHERY PRODUCTION BY SPECIES, 1971～1977 (1975=100)

Item	1971	1972	1973	1974	1975	1976	1977
Marine Fisheries							
Bluefin tuna	118.4	113.7	118.0	121.3	100.0	102.7	127.5
Albacore	128.0	133.8	136.0	137.2	100.0	155.5	78.5
Bigeye tuna	78.8	86.6	89.2	86.4	100.0	101.2	113.1
Yellowfin tuna	98.5	94.2	97.1	99.7	100.0	119.2	115.2
Striped marlin	114.6	92.1	77.1	86.1	100.0	75.5	63.5
Brodbill swordfish	76.5	87.3	82.1	81.6	100.0	106.9	94.4
Skipjack	66.4	86.1	109.7	112.9	100.0	128.0	119.6
Sharks	104.5	101.8	100.5	94.6	100.0	104.2	117.9
Salmons	71.8	76.6	74.4	88.5	100.0	84.5	70.6
Trouts	122.5	71.9	110.1	71.7	100.0	67.2	78.7
Herring	150.9	93.4	124.1	114.5	100.0	99.2	29.8
Sardine	10.9	11.0	56.5	66.9	100.0	202.6	269.9
Anchovy	143.1	150.8	136.8	117.3	100.0	88.4	99.9
Jack mackerel	146.0	81.8	69.0	89.2	100.0	68.8	47.1
Mackerels	95.1	90.2	86.0	100.9	100.0	74.3	102.8
Saury	85.9	88.7	183.4	61.2	100.0	47.6	114.4
Yellowtail	125.6	129.8	138.1	107.0	100.0	111.6	70.2
Flounders, soles	99.7	102.1	111.2	102.2	100.0	101.1	82.5
Cod	103.2	94.8	117.5	117.4	100.0	97.9	92.3
Alaska pollack	101.1	113.3	112.8	106.7	100.0	91.3	72.1
Red sea bream	98.8	135.6	110.2	106.4	100.0	100.3	100.5
Sand lance	99.0	70.9	70.6	109.2	100.0	81.6	50.0
King crab	576.9	528.8	338.5	299.0	100.0	69.0	5.5
Common squid	96.3	122.7	91.6	88.5	100.0	79.6	62.0
Octopuses	115.7	90.5	84.3	102.3	100.0	90.4	91.8
Sea urchins	113.2	101.0	111.5	96.3	100.0	102.6	119.6
Sea cucumbers	108.8	119.8	112.7	115.3	100.0	112.8	104.4
Abalone	104.4	107.3	107.8	91.8	100.0	104.4	96.1
Kelp	96.2	98.5	82.7	75.7	100.0	100.9	123.3
Marine Cultures							
Yellowtail	66.8	83.2	86.9	100.1	100.0	110.0	124.4
"Kuruma" prawn	32.7	48.5	69.5	97.3	100.0	111.3	120.1
Oyster	96.2	108.1	113.7	104.7	100.0	112.5	105.8
Common scallop	15.8	32.9	56.0	89.1	100.0	92.4	118.4
"Nori" laver	80.6	73.6	105.8	119.5	100.0	105.4	99.3
"Wakame" seaweed	92.6	103.7	111.0	150.9	100.0	124.2	123.3
Inland Water Fisheries							
Salmon	36.0	28.1	38.8	40.3	100.0	55.1	53.3
Pond smelt	91.8	98.3	117.7	112.7	100.0	123.4	130.6
Sweet fish	75.4	69.7	81.4	88.0	100.0	95.0	96.4
Common carp	68.9	67.1	78.3	85.0	100.0	103.9	100.7
Crucian carp	105.3	105.2	103.2	94.5	100.0	102.3	104.3
Inland Water Cultures							
Rainbow trout, etc.	76.2	80.8	98.2	105.4	100.0	100.7	105.3
Sweet fish	78.9	86.5	88.7	94.4	100.0	114.7	117.7
Common carp	63.4	81.4	93.8	93.6	100.0	93.5	104.1
Eel	68.6	64.3	71.6	82.3	100.0	126.5	133.2

II STRUCTURE OF FISHERY PRODUCTION

1 NUMBER OF MARINE FISHERIES ESTABLISHMENTS, 1973～1977

Unit : Number

Sarata	1973	1974	1975	1976	1977
Grand Total	232,302	233,208	227,452	224,610	222,395
Without fishing boat	14,686	14,311	11,901	10,979	9,728
With non-powered boats	7,793	4,915	3,492	2,780	1,943
With powered boats					
Sub-total	141,081	146,225	147,744	149,589	151,393
Less than 3 G.T.	96,970	100,578	100,374	100,180	99,043
3 - 5	25,933	27,115	28,143	29,581	31,307
5 - 10	8,250	8,382	9,041	9,545	10,455
10 - 30	5,352	5,457	5,547	5,665	5,999
30 - 100	2,853	2,912	2,888	2,862	2,796
100 - 200	627	636	625	648	699
200 - 500	603	612	603	593	577
500 - 1,000	278	314	301	297	308
1,000 G.T. and over	215	219	222	218	209
Set nets and beach seine					
Sub-total	7,395	7,710	7,920	7,938	8,113
Large set nets	832	923	945	1,027	1,042
Small set nets	5,755	6,118	6,318	6,240	6,470
Beach seine	808	669	657	671	601
Culture					
Sub-total	61,352	60,047	56,395	53,324	51,218
Laver culture	38,436	35,641	31,751	28,875	26,874
Oyster culture	3,245	3,354	3,382	3,444	3,942
Pearl culture	1,878	1,849	1,833	1,824	1,883
Wakame seaweed culture ...	9,567	9,788	9,248	8,780	8,116
Yellowtail culture	2,841	2,710	2,873	3,185	3,682
Common scallop culture ...	2,888	4,091	4,440	3,987	3,316
Other cultures	2,497	2,614	2,868	3,229	3,405

Note : Excluding the number of fisheries establishments which engaged in fishing for less than 30 days in a year.

2 NUMBER OF MARINE FISHERY WORKERS, 1973～1977

Unit : Thousand men

	1973	1974	1975	1976	1977
Grand Total	510.7	496.9	477.5	469.7	459.3
Men	420.5	412.6	397.6	389.0	379.1
15 - 39 years old	167.6	155.3	143.3	135.9	126.9
40 - 59 years old	185.9	189.4	186.7	186.8	186.9
60 years old and over	67.0	69.9	67.5	66.2	65.3
Women	90.2	84.3	80.0	80.7	80.2

3 NUMBER OF FISHING BOATS, 1973～1977

Unit : Number

Size	1973	1974	1975	1976	1977
Total	399,023	394,333	414,745	424,391	434,193
Marine	377,382	372,151	390,480	399,156	408,851
Non-powered	78,953	57,673	44,601	40,046	35,785
Powered	298,429	314,478	345,879	359,110	373,066
Less than 5 G.T.	269,960	285,695	316,685	328,800	341,068
5 - 9	10,372	10,733	11,295	12,159	13,267
10 - 49	10,955	10,809	10,656	10,915	11,406
50 - 99	3,977	4,045	4,022	4,043	4,058
100 - 199	1,255	1,253	1,279	1,303	1,350
200 - 499	1,590	1,633	1,652	1,624	1,664
500 - 999	97	95	90	85	77
1,000 G.T. and over	223	215	202	181	176
Inland Water	21,641	22,182	24,265	25,235	25,342
Non-powered	15,453	14,050	8,659	8,714	8,624
Powered	6,188	8,152	15,606	16,521	16,718
Less than 5 G.T.	6,185	8,149	15,602	16,514	16,709
5 G.T. and over	3	3	4	7	9
Number of F.R.P. Boats in Marine Total	28,747	46,239	70,915	92,301	117,121
Less than 1 G.T.	9,886	17,427	27,463	34,635	41,844
1 - 3	11,282	17,693	27,533	36,127	46,612
3 - 5	6,217	9,148	12,730	16,962	21,917
5 - 10	783	1,090	1,763	2,743	4,073
10 - 20	488	730	1,047	1,590	2,360
20 G.T. and over	91	151	195	244	315

4 GROSS TONNAGES OF FISHING BOATS, 1973～1977

Unit : G. T.

Size	1973	1974	1975	1976	1977
Total	2,712,030	2,701,885	2,706,233	2,668,452	2,719,646
Marine	2,696,724	2,686,070	2,688,002	2,649,615	2,699,877
Non-powered	57,015	44,729	36,679	32,624	30,318
Powered	2,639,709	2,641,340	2,651,323	2,616,991	2,669,559
Less than 5 G.T.	470,342	492,536	525,844	549,044	575,815
5 - 9	80,419	83,522	87,408	94,641	103,881
10 - 49	239,557	232,376	225,531	225,896	230,283
50 - 99	319,888	323,648	321,114	321,272	321,244
100 - 199	184,510	182,287	184,944	186,573	192,272
200 - 499	504,965	520,698	539,175	522,037	547,175
500 - 999	73,005	71,339	68,294	64,717	59,215
1,000 G.T. and over	767,023	734,934	699,012	652,811	639,667
Inland Water	15,306	15,805	18,230	18,837	19,769
Non-powered	7,855	7,076	4,765	4,487	4,400
Powered	7,451	8,739	13,465	14,350	15,369
Less than 5 G.T.	7,424	8,712	13,433	14,290	15,297
5 G.T. and over	27	27	32	60	72
Gross Tonnages of F.R.P. Boats in Marine Total	70,784.73	108,454.71	159,674.60	216,235.09	287,040.60
Less than 1 G.T.	7,373.96	12,660.90	19,426.23	24,709.70	29,770.95
1 - 3	18,081.67	28,861.24	44,413.85	58,873.90	76,724.60
3 - 5	26,952.28	39,424.95	55,422.72	73,734.64	95,431.18
5 - 10	6,067.94	8,570.45	13,618.23	21,220.77	31,926.52
10 - 20	7,621.26	11,355.92	16,375.40	24,543.51	36,304.94
20 G.T. and over	4,651.62	7,581.25	10,418.17	13,152.57	16,882.41

III MARKETING OF FISHERY PRODUCT

1 QUANTITY AND PRICE OF LANDINGS BY COMMODITY AT FISH MARKETS IN PRODUCING AREAS, 1977

Commodity	Quantity of landings	Price
Total of fishes, other marine animals, marine mammals and whales	5,562,391	158
Bluefin tuna		
Fresh	6,116	1,045
Frozen, round type	31,543	1,071
Frozen, fillet type	1,512	1,501
Albacore		
Fresh	18,318	451
Frozen, round type	34,139	466
Frozen, fillet type	74	475
Bigeye tuna		
Fresh	16,804	1,061
Frozen, round type	73,456	792
Frozen, fillet type	182	214
Yellowfin tune		
Fresh	24,030	660
Frozen, round type	40,846	524
Frozen, fillet type	224	462
Other tunas		
Fresh	8,543	458
Frozen	3,034	281
Striped marlin		
Fresh	4,578	823
Frozen, round type	4,755	908
Frozen, fillet type	6	414
Broadbill swordfish		
Fresh	10,473	613
Frozen, round type	3,061	704
Frozen, fillet type	3,175	732
Black marlins		
Fresh	3,356	628
Frozen, round type	6,015	641
Frozen, fillet type	52	517
Other swordfish, marlins and sailfish		
Fresh	2,165	813
Frozen, round type	796	604
Frozen, fillet type	889	380
Skipjack		
Fresh	64,902	376
Frozen	162,832	274
Salmons		
Fresh	12,266	1,157
Frozen	5,129	1,306
Salted	11,288	1,470
Salmons (Pink and cherry salmons)		
Fresh	11,085	588
Frozen	3,829	883
Salted	6,866	550
Sardine	965,393	38
Round herring	24,864	84
Jack mackerel	53,743	550
Scads	86,512	175
Mackerels	1,072,822	52
Saury	203,777	158
Common squid		
Fresh	41,447	515
Frozen	69,191	489
Bastard halibut	4,184	1,328
Flounders, soles		
Fresh	64,644	309
Frozen	55,860	279
Cod		
Fresh	35,303	161
Frozen	24,144	312
Alaska pollack		
Fresh	1,006,799	77
Frozen	23,532	104
Atka mackerel	164,653	40
"Menuke" Rockfishes		
Fresh	4,266	497
Frozen	18,053	460
"Kichiji" Rockfishes	10,001	455
Sand fish	4,627	300
Deep sea smelts	5,345	161
Sharks		
Fresh	35,185	123
Frozen	3,304	278
Yellow croaker	6,682	113
Other croakers	26,203	197
Lizard fishes	14,654	155
Butter fish	5,969	587
Sharp toothed eel	17,144	256
Hairtail	21,437	149
Gurnards	3,192	332
Skates and rays	10,987	85
Rod sea bream	6,023	1,711
Crimson sea bream	1,449	1,060
Yellow sea bream	7,064	1,080
Black sea bream	438	1,148
Other sea breams		
Frozen	8,159	246
Yellowtails	17,390	930
Spanish mackerels		
Fresh	8,010	290
Frozen	5,134	411

Notes: 1) The quantity of landings is of the 67 fishing ports in the producing areas.
2) The prices here show the average prices per Kg, which are obtained by dividing the value of landings by the quantities of landings.

Unit { Quantity: ton / Price: yen per Kg

Commodity	Quantity of landings	Price
Dolphin fishes	7,951	200
Flying fishes	1,111	281
Frigate mackerel	6,564	221
Mallets	459	407
Common sea bass	700	934
Herring		
Fresh	8,919	177
Frozen	13,504	293
Sand lance	85,309	77
Anchovy	22,566	69
Post larval	1,256	539
Other fishes		
Fresh	300,028	220
Frozen	97,559	333
Salted	2,607	925
Cuttlefishes		
Fresh	4,982	355
Frozen	3,148	-
Other squids and cuttlefishes	174,720	264
Octopuses		
Fresh	9,313	325
Frozen	9,236	188
Spiny lobster	58	4,885
"Kuruma" prawn	581	2,952
Other lobster, prawn and shrimps		
Fresh	9,609	921
Frozen	656	2,368
King crab	9	972
Tanner crab	4,706	948
Blue crabs	536	686
Other crabs	31,319	257
Sea urchins		
With shells	149	939
Shelled	97	76
Sea cucumbers	2,540	430
Other marine animals		
Fresh	4,534	221
Frozen	15,080	235
Marine mammals	452	119
Whale (by whaling)		
Fresh	9	1,284
Frozen	31,957	-
Salted	-	-

Commodity	Quantity of landings	Price
Total of shellfishes		
With shell	27,431	335
Shelled	3,550	166
Abalones with shell	227	2,752
Top shell with shell	958	752
Hard clams		
With shell	4	301
Short-necked clams		
With shell	502	214
Common scallop		
With shell	21,279	285
Shelled	1,057	849
Hen clams		
With shell	183	620
Shelled	86	384
"Mogai" clam		
With shell	37	975
Shelled	0	308
Oyster		
With shell	21	131
Shelled	687	757
Other shellfishes		
With shell	4,221	374
Shelled	1,720	636
Total of seaweeds		
Fresh	1,550	165
Dried	2,102	684
"Kombu" tangle		
Dried	2,827	673
"Wakame" seaweed		
Fresh	664	78
Dried	29	1,622
"Tengusa" agar-agars		
Fresh	2	-
Dried	10	433
"Funori" seaweed		
Fresh	10	908
Dried	4	1,422
Other seaweeds		
Fresh	874	323
Dried	33	935
Total of dried laver 1)	5,224	166
"Kuronori" laver 1)	5,224	166
"Mazenori" laver 1)	-	-
"Aonori" laver 1)	0	328

Note : 1) Quantity are in unit of 10,000 sheets and prices are per 10 sheets.

2 QUANTITY AND PRICE OF ARRIVALS BY COMMODITY AT TOKYO CENTRAL WHOLESALE MARKETS, 1977

Unit { Quantity : Metric tons
Price : yen per kg

Commodity	Quantity of arrivals	Price
Fresh		
Marine fishes	178,090	742
Bluefin tuna	2,671	1,940
Albacore	418	493
Bigeye tuna	2,375	1,943
Yellowfin tuna	1,558	1,193
Other tunas	1,283	920
Striped marlin	755	1,839
Broadbill swordfish	1,802	743
Blue marlins	589	673
Other marline	49	698
Skipjacks	9,700	618
Salmons	1,206	975
Salmons (Pink and cherry salmons)	483	971
Sardine	12,486	138
Round herring	71	134
Jack mackerel	13,919	801
Mackerels	17,734	187
Saury	4,824	864
Common squid	12,453	670
Bastard halibut	927	1,324
Flat fishes	9,654	663
Cod	2,408	428
Atka mackerel	1,960	96
Rock fishes	2,723	776
Sharks	4,056	233
Yellow croaker	-	-
Other croakers	1,366	326
Sharp toothed eel	195	674
Hairtail	656	526
Red sea bream	782	1,743
Crimson sea bream	257	1,638
Yellow sea bream	74	1,086
Yellowtail	17,434	1,103
Fishery	3,696	1,123
Culture	13,738	1,098
Spanish mackerels	1,379	816
Flying fishes	1,225	410
Common sea bass	572	822
Other fishes	33,234	719
Cuttlefish	1,555	725
Other squids and cuttlefishes	4,107	515
Octopuses	819	655
Spiny lobstor	128	5,100
"Kurumaebi" prawn	69	5,493
"Taisho ebi" prawn	653	1,940
Other shrimps	2,967	1,804
Crabs	2,531	1,067
Other marine animals	1,983	3,165
Inland water fishes	4,076	1,300

Commodity	Quantity of arrivals	Price
Shellfishes	48,928	761
Abalones with shell	911	3,480
Short necked clam with shell	3,083	195
Oyster shelled	5,970	1,012
Freshwater clam with shell	4,967	142
Other shellfishes	33,997	785
Frozen		
Bluefin tuna	16,764	1,770
Albacore	2,276	431
Bigeye tuna	46,231	925
Yellowfin tuna	8,729	687
Other tunas	-	-
Striped marlin	2,783	1,015
Bradbill swordfish	5,817	803
Blue marlins	700	585
Other marlins	354	504
Skipjack	255	411
Salmons	21,709	1,070
Salmons (Pink and cherry salmons)	4,254	829
Jack mackerel	5,605	417
Mackerels	5,902	169
Saury	5,157	669
Common squid	18,271	562
Flat fishes	16,019	448
Cod	7,435	298
Rock fishes	8,079	414
Sea breams	7,745	428
Spanish mackerels	1,516	367
Herring	8,302	423
Other fishes	74,150	926
"Mongo-ika" cuttlefish ...	14,818	895
Other cuttlefishes	11,081	452
Octopuses	19,301	501
"Taisho ebi" prawn	662	2,043
Meat of whale		
Fresh	193	906
Frozen	3,557	674
Processed fishery product		
Salted and dried		
Sardine, round herring ..	11,604	249
Jack mackerel, scad	10,984	586
Mackerels	4,477	202
Saury	6,141	421
Salted		
Salmons	24,427	1,271
Salmons(Pink and cherry salmons)	7,428	719
Mackerels	526	236
Other salted product	24,768	1,981
Processed whale products .	736	718
Seaweeds	6,166	295
Other processed fishers products	184,455	574

Note: The prices here show the average price which are obtained by dividing the value of arrivals by the quantities of arrivals.

3 PRICES OF MAJOR FISHERY PRODUCTS BY STEPS OF SALE DISTRIBUTION IN TOKYO, 1977

Unit : Yen per kg

commodity		Wholesale price	Broker price	Retail price	Ratio of retail price to wholesale price %
Bigeye tuna 1)	frozen	930	1,179	3,147	333
Yellowfin tuna 1)	frozen	674	1,208	1,993	296
Skipjack tuna 1)	fresh	631	750	1,507	239
Chum salmon 1)	salted	1,415	1,599	2,002	141
Sardine (Round fish)	fresh	142	188	343	242
Jack mackerel (Round fish)	fresh	898	1,060	1,373	153
Mackerel (Round fish)	fresh	196	248	371	189
	frozen	188	238	349	186
Saury (Round fish)	fresh	973	1,140	1,533	158
	frozen	635	714	954	150
Yellowtails 1)	fishery	1,261	1,455	2,168	220
	cultured	1,107	1,196	2,269	205
Common squid (Round fish)	fresh	775	881	1,129	146
	frozen	635	714	945	150
Oyster (Without shell)	fresh	1,089	1,326	1,885	173

Note : 1) Round fish for wholesale and broker price and sliced meat for retail price.

4 PROCESSED FISHERY

Proceseed products 1)	1973	1974	1975	1976	1977
Boiled and dried	79.2	81.8	79.9	84.2	86.9
Anchovies	66.9	62.5	60.9	63.9	62.5
Jack mackerel	2.8	3.7	3.2	2.9	1.9
Sand lance	4.4	7.2	7.6	9.5	11.8
Others	5.1	8.4	8.2	7.9	10.7
Cured	113.7	118.8	120.3	121.0	126.9
Mackerels	22.6	26.2	25.7	25.9	35.0
Skipjack	26.9	29.8	32.2	37.2	35.7
Others	64.2	62.9	62.4	57.9	56.2
Dried	45.2	45.8	47.7	42.7	39.9
Herring	19.1	19.2	19.9	19.2	17.4
Squids	10.9	8.7	12.2	8.6	9.4
Others	15.2	17.9	15.6	14.9	13.1
Dressed frozen	108.3	112.2	126.3	122.6	126.0
Frozen	3,076.7	2,965.6	2,980.6	3,111.1	3,200.1
Albacore, tunas	214.9	221.3	191.7	224.2	191.4
Cod, Alaska pollack	115.0	125.4	75.3	95.6	129.1
Halibut, flounders	173.8	161.2	148.3	143.1	103.0
Mackerels	232.9	286.6	299.0	336.0	414.2
Marlins	31.9	34.8	28.8	29.0	20.3
Sardines, anchovies	245.9	243.8	311.0	401.2	420.5
Saury	331.2	131.0	183.5	101.7	280.5
Skipjack	141.5	161.7	145.0	164.8	159.9
Squids, cuttlefishes	221.5	224.4	231.1	221.4	205.0
Whales	99.5	87.5	74.6	40.6	38.4
Minced fish meats	423.1	384.3	387.7	424.2	413.4
Others	845.5	903.6	904.6	929.3	874.4
Kneaded	1,187.5	1,148.7	1,155.0	1,136.7	1,087.0
"Chikuwa" 2)	249.2	250.9	258.9	235.3	214.4
Fish sausage	164.3	120.5	111.3	112.6	116.9
"Kamaboko" 3)	425.6	437.6	447.0	451.5	428.2
Others	348.4	339.7	337.8	337.3	327.5
Manure and feed	975.4	962.7	1,034.8	930.1	915.6
Fish meal	471.3	489.4	512.6	529.5	496.8
Dried press cake	305.5	271.7	317.0	208.7	257.0
Others	198.6	201.6	205.2	191.9	161.8
Oil and fat	173.0	185.9	176.6	165.6	208.2
Fish oil, fish viscera oil	122.8	143.1	136.3	141.1	187.2
Whale oil	50.2	42.8	40.3	24.5	21.0
Salted	223.9	215.5	255.5	199.7	227.5
Alaska pollack roe, cod roe	46.8	46.6	44.8	40.6	36.4
Cod, Alaska pollack	15.3	14.7	18.0	15.0	17.4
Herring roe, salmon roe	10.3	13.1	12.9	14.1	12.6
Mackerels	28.8	41.7	46.5	26.2	42.3
Salmons	57.1	55.4	73.9	55.5	53.0
Trouts	38.7	23.7	37.6	22.6	38.0
Others	26.9	20.3	21.8	25.7	27.8

PRODUCTS, 1973～1977

Unit { Thousand metric tons / Canned: Thousand cases

Processed products	1973	1974	1975	1976	1977
Salted and dried	211.2	228.6	242.7	250.9	242.1
Jack mackerel	44.9	42.2	47.5	53.3	48.7
Mackerels	31.9	32.4	29.7	35.6	26.7
Sardines, anchovies	56.8	59.7	61.6	72.6	78.2
Saury	16.4	26.7	29.7	11.2	18.4
Others	61.2	67.6	74.2	78.2	70.1
Smoked	9.4	9.7	8.3	10.3	10.0
Salmons, trouts	1.3	1.0	1.3	1.6	1.4
Squids, cuttlefishes	0.7	0.5	0.6	1.2	1.8
Whale meat	1.3	1.6	1.4	1.6	1.0
Others	6.1	6.6	5.0	5.9	5.8
Others	292.4	283.0	292.1	308.2	314.5
Canned 4)					
Standard number of cases 5)	16,657	17,316	17,192	17,707	18,771
(Actual number of cases)	(33,291)	(35,715)	(34,407)	(35,882)	(38,540)
Shellfish	861	981	580	698	588
Crabs	224	158	94	130	104
Jack mackerel	2	3	-	7	2
Mackerels	9,639	9,555	9,778	8,545	9,772
Prawns, shrimps	9	8	1	1	2
Salmons, trouts	917	1,089	921	1,125	825
Sardines, anchovies	296	303	422	1,630	2,107
Saury	232	384	510	327	449
Squids, cuttlefishes	164	80	245	185	166
Tunas, skipjack	3,484	3,831	3,852	4,316	3,902
Whale	600	694	561	503	509
Others	229	230	228	240	345

Notes : 1) Excluding dried seaweeds.

2) Baked products of kneaded fish meat with seasonings.

3) Steamed products of kneaded fish meat with seasonings.

4) Surveyed by the Canners Association of Japan.

5) Converted to 450g x 48 cans in net weight for one case.

5 VALUE OF IMPORTS AND EXPORTS

Imports

Year	Total	Live	Fresh and frozen			Salted dried and smoked
			Shrimps	Skipjack, tunas, marlins	Others	
1967	68,966	1,305	28,704	2,085	11,663	6,155
1968	72,135	1,752	28,108	3,846	10,935	7,690
1969	93,843	2,745	43,829	4,923	14,923	7,033
1970	114,628	5,851	49,329	9,070	18,698	12,478
1971	153,345	7,779	73,335	11,538	32,832	13,838
1972	190,338	12,418	89,918	10,422	36,754	22,878
1973	300,074	17,752	118,207	14,171	71,137	42,059
1974	323,240	19,862	117,571	21,684	90,242	40,052
1975	385,529	24,862	137,517	39,527	107,412	35,166
1976	563,649	30,680	223,128	46,206	150,745	58,279
1977	657,714	32,437	219,509	68,205	191,668	68,167

Exports

Year	Total	Fresh and Frozen		Salted, dried and smoked		
		Skipjack, tunas, marlins	Others		Jack mackerel, mackerels	Salmons
1967	117,411	18,031	11,820	2,880	10,180	16,680
1968	126,217	17,758	14,895	3,212	14,502	21,000
1969	124,881	12,619	18,342	4,354	15,294	13,713
1970	140,717	13,983	21,573	4,248	19,573	16,181
1971	146,662	13,794	25,487	4,230	23,140	18,796
1972	162,179	17,752	36,629	4,513	23,286	17,196
1973	173,494	21,632	44,688	4,745	26,259	10,419
1974	201,965	24,331	42,714	5,398	35,554	12,993
1975	168,696	3,289	38,357	5,783	35,732	15,102
1976	220,833	13,958	49,288	5,942	34,477	17,625
1977	184,180	12,906	37,389	5,877	44,423	3,723

BY COMMODITY, 1967～1977

Unit: Million yen

Raw agar-agar	Fish meals	Pearls	Oil and fat	Prepared	Dried laver	Others
2,562	4,867	794	297	2,184	3,924	4,427
816	7,278	1,448	424	1,532	5,953	2,352
896	5,919	1,496	558	1,808	6,441	3,232
772	6,689	1,474	229	3,561	3,099	3,378
610	1,414	1,315	356	5,721	1,337	3,272
775	3,266	1,550	351	7,384	768	3,854
1,309	8,738	2,175	445	14,784	2,958	6,339
2,142	3,404	2,158	569	18,934	59	6,563
1,748	5,856	3,147	904	22,884	221	6,285
2,153	5,485	4,871	665	30,660	42	10,735
1,596	24,827	6,079	452	32,182	264	12,328

Unit: Million yen

Canned				Oil and fat		Pearls	Others
Sardines, anchovies	Tunas	Crabs	Others	Whale oil	Others		
457	18,544	3,716	5,125	2,942	356	19,813	6,366
133	19,776	5,446	4,589	1,027	343	16,849	6,685
42	23,683	5,534	5,047	1,497	328	17,510	6,919
79	28,862	2,929	5,552	2,597	1,307	14,725	9,110
99	23,016	3,966	5,218	4,681	2,431	12,599	9,205
338	27,091	1,724	5,875	1,555	1,893	14,189	10,138
712	24,440	315	5,072	1,693	3,048	17,867	12,604
834	29,119	644	5,627	3,930	11,268	17,484	12,069
1,343	27,664	454	3,646	1,959	5,481	17,679	12,207
7,536	35,932	890	4,367	1,447	7,696	22,920	19,355
8,227	25,626	581	3,784	1,412	12,059	10,296	17,877

6 VALUE OF IMPORTS AND

Imports

Year	Total	Republic of Korea	Taiwan	U. S. A.	Indonesia	Canada	India
		1	2	3	4	5	6
1967	68,966	11,670	1,305	5,286	190	986	1,704
1968	72,135	11,549	2,530	6,235	690	1,465	2,384
1969	93,843	12,262	4,232	9,180	2,614	1,224	4,317
1970	114,628	14,203	9,151	8,700	3,791	1,846	5,317
1971	153,345	17,327	13,324	10,236	8,336	3,396	8,601
1972	190,338	24,623	17,322	7,570	14,992	7,310	12,358
1973	300,074	42,273	25,338	24,243	22,235	17,401	17,750
1974	323,240	62,763	28,746	16,326	24,504	14,167	17,391
1975	385,529	85,639	44,186	21,768	29,513	13,363	27,847
1976	563,649	115,752	54,625	28,441	48.431	27,547	40,984
1977	657,714	129,344	67,545	62,310	48,802	44,879	35,229

Exports

Year	Total	U. S. A.	Netherlands	Nigeria	Taiwan	Hong Kong	Canada
		1	2	3	4	5	6
1967	117,411	33,094	4,482	106	439	2,606	2,456
1968	126,217	37,166	2,603	88	217	2,852	2,152
1969	124,881	37,390	3,145	9	1,259	4,048	2,721
1970	140,717	41,951	4,982	34	1,830	4,123	3,932
1971	146,662	40,107	6,985	134	2,071	3,011	4,833
1972	162,179	59,753	4,992	507	2,996	4,053	5,963
1973	173,494	61,664	4,088	386	5,939	4,662	7,437
1974	201,965	62,373	14,400	1,176	5,841	4,378	7,151
1975	168,696	38,142	9,935	3,851	8,363	5,290	6,843
1976	220,833	57,042	11,972	4,718	11,969	7,403	8,831
1977	184,180	39,447	14,171	11,117	9,500	7,636	6,033

EXPORTS BY COUNTRY, 1967～1977

Unit: Million yen

Australia 7	Thailand 8	China 9	Spain 10	Hong Kong 11	Malaysia 12	U. S. S. R. 13	Mexico 14	Others 15
2,069	3,845	7,029	1,812	3,112	1,210	2,839	7,320	18,589
2,486	4,195	5,663	1,111	3,958	1,615	2,278	5,438	20,539
5,225	5,825	6,842	1,049	5,349	2,542	2,791	5,786	24,605
5,779	5,651	10,815	2,519	3,819	2,766	3,238	7,355	29,678
7,206	7,902	11,049	9,332	5,651	5,063	2,936	7,856	35,130
8,516	10,295	15,261	8,763	5,485	6,158	2,481	7,102	42,102
10,795	14,082	20,824	9,444	5,879	8,122	6,067	12,323	63,298
11,179	12,901	29,020	17,872	7,069	5,827	10,307	7,075	58,093
11,235	20,934	22,651	19,655	8,743	6,236	8,383	7,891	57,385
21,160	28,846	24,750	27,844	15,257	15,122	10,947	13,516	90,427
25,496	23,733	19,962	19,754	18,981	15,647	14,662	10,213	121,157

Unit: Million yen

Philippines 7	Australia 8	United Kingdom 9	Singapore 10	Papua New Guinea 11	Saudi Arabia 12	S. Africa 13	Switzerland 14	Others 15
7,064	3,068	17,550	1,327	637	240	381	4,849	32,696
7,108	3,341	21,372	1,365	829	134	385	3,896	35,636
5,752	4,009	13,323	1,962	776	167	724	4,320	37,872
5,760	5,322	16,835	5,220	1,177	192	1,311	3,735	39,247
6,549	4,971	15,763	2,834	1,356	146	1,428	3,507	47,216
5,200	4,741	12,622	2,328	1,478	373	1,175	4,553	44,662
5,301	5,363	10,520	3,463	2,325	902	1,973	6,146	46,826
8,316	8,383	10,983	3,618	3,157	1,406	3,091	4,729	57,764
7,770	5,227	12,354	5,428	2,697	1,713	2,881	4,668	48,939
8,300	8,747	14,877	3,798	4,623	2,287	4,097	6,204	59,030
5,897	5,862	4,850	4,763	4,709	4,491	3,989	3,864	62,150

7 VALUE OF IMPORTS AND EXPORTS (by Country, and by Commodity)

Imports

Country of origin	Total	Live fish	Fresh and frozen			Salted, dried and smoked
			Shrimps	Skipjack, tunas, marlins	Others	
Total	657,714	32,437	219,509	68,205	191,668	68,167
Republic of Korea	129,344	4,048	3,635	43,532	51,923	5,211
Taiwan	67,545	25,797	6,200	18,221	8,072	499
U. S. A.	62,310	226	827	1,156	34,532	23,043
Indonesia	48,802	-	45,325	245	213	2,293
Canada	44,879	10	773	891	13,876	28,774
India	35,229	-	34,719	2	417	5
Australia	25,476	8	17,258	17	1,215	10
Thailand	23,733	201	12,554	34	6,780	2,209
China	19,962	1,057	8,823	3	4,155	1,555
Spain	17,754	-	24	45	19,471	37
Hong Kong	18,981	479	12,642	5	5,123	74
Malaysia	15,647	-	11,417	-	1,006	2,805
U. S. S. R.	14,662	3	-	-	13,000	135
Mexico	10,713	-	7,530	105	26	100
Others	121,157	608	53,780	3,944	31,859	1,417

Exports

Country of destination	Total	Fresh and frozen products		Salted dried and smoked		
		Skipjack, tunas, marlins	Others		Mackerel	Salmons
Total	184,180	12,906	37,389	5,877	44,423	3,723
U. S. A.	39,447	5,928	15,573	861	291	11
Netherland	14,171	1	957	18	177	380
Nigeria	11,117	-	14	2	10,018	18
Taiwan	9,500	-	191	1,398	-	5
Hong Kong	7,636	76	45	2,391	216	0
Canada	6,033	-	373	43	29	0
Philippines	5,897	-	1	2	4,366	-
Australia	5,862	-	2,704	14	248	1,302
United Kingdom	4,850	1	438	21	276	1,700
Singapore	4,763	20	198	477	1,782	-
Papua New Guinea	4,709	1,466	0	0	3,116	0
Saudi Arabia	4,491	-	9	8	3,619	5
South Africa	3,989	17	2,588	5	6	2
Switzerland	3,864	-	8	1	-	35
Others	57,851	5,397	14,088	636	20,039	265

OF FISHERY PRODUCTS, 1977

Unit: Million yen

Raw agar-agar	Fish meals	Pearls	Oil and fat	Prepared products	Dried laver	Others
1,596	24.827	6,077	452	32,182	264	12,338
9	578	-	13	12,740	262	7,393
191	-	-	36	8,073	-	451
-	12	26	-	1,503	-	983
5	-	203	2	47	-	467
-	435	2	-	116	-	2
3	35	4	-	38	-	6
-	-	3,292	-	1,646	-	50
-	359	60	-	1,505	-	31
-	3	1,336	-	2,898	2	130
-	-	-	147	14	-	16
-	-	87	-	553	-	18
1	-	-	-	414	-	4
-	836	-	101	586	-	1
12	-	-	-	209	-	231
1,375	22,567	1,067	153	1,840	-	2,543

Unit: Million yen

Canned products				Oil and fat		Pearls	Others
Sardines, anchovies	Tunas	Crabs	Others	Whale oil	Others		
8,227	25,626	581	3,784	1,412	12,059	10,296	17,877
42	9,000	236	1,669	-	223	2,172	3,441
55	182	87	6	1,383	10,784	67	52
1,056	4	3	1	-	-	-	1
-	33	2	63	18	158	0	7,632
93	45	-	136	-	1	1,413	3,710
-	4,300	1	1,078	-	13	107	89
1,523	-	-	1	-	0	-	4
103	430	44	223	-	-	129	465
37	2,074	-	35	-	18	162	68
1,441	2	-	64	0	1	33	545
123	0	-	3	-	-	-	1
15	698	1	10	-	-	123	3
-	542	0	54	-	615	25	135
40	2,348	-	3	-	-	1,377	52
3,699	5,968	207	438	11	246	4,688	2,169

8 FOOD BALANCE SHEET ON

Description	1973	1974	1975	1976	1977
(FISH AND SHELLFISH) (Live weight base)					
Domestic production	10,063	10,106	9,918	9,990	10,065
For domestic consumption	9,072	9,110	8,928	8,961	9,213
Fresh and frozen	2,135	2,311	2,322	2,353	2,362
Dried, salted and smoked ..	1,606	1,660	1,709	1,734	1,819
Kneaded	2,450	2,455	2,460	2,403	2,259
Fish Sausage	247	182	166	169	173
Canned	154	214	140	238	333
Feeds	2,480	2,288	2,131	2,064	2,267
For exports	991	996	990	1,029	852
Fresh and frozen	341	321	193	236	196
Canned	551	509	544	549	466
Others for food use	14	17	18	11	9
Feeds	85	149	235	233	181
Change in stock	...	...	...	...	742
For food use	...	...	...	...	441
For feeds	...	...	...	...	301
Imports	1,079	779	1,088	1,136	1,848
For food use	664	662	752	866	999
For feeds	415	117	336	270	849
Domestic supply	10,151	9,889	10,016	10,097	10,319
For food use	7,256	7,484	7,549	7,763	7,504
Domestic production	6,592	6,822	6,797	6,897	6,505
Imports	664	662	752	866	999
For feeds	2,895	2,405	2,467	2,334	2,815
Domestic production	2,480	2,288	2,131	2,064	1,966
Imports	415	117	336	270	849

FISHERY PRODUCTS, 1973～1977

Unit: Thousand metric tons

Description	1973	1974	1975	1976	1977
(WHALE)					
Domestic production	98	90	76	44	42
For domestic consumption	98	90	76	44	42
For exports	0	0	0	0	0
Imports	25	29	29	32	37
Domestic supply	123	119	105	76	79
For food use	123	119	105	76	79
For feeds	-	-	-	-	-
(SEAWEED) (dried weight base)					
Domestic production	131	140	126	133	129
For domestic consumption	127	135	122	129	124
For exports	4	5	4	4	5
Imports	30	23	25	47	48
Domestic supply	157	158	147	176	172
For food use	127	134	125	147	141
For feeds	30	24	22	29	31
Per capita food supply (unit : kgs)					
Fish and shellfishes	66.8	67.7	67.4	68.6	65.7
Whales	1.1	1.1	0.9	0.7	0.7
Seaweeds	1.2	1.2	1.1	1.3	1.2
Population (Unit: Million persons) 1).....	109	111	112	113	114

Note: 1) Data are based on the surveys undertaken as of October 1st of the year.

21 AVERAGE CONSUMPTION IN QUANTITY OF FISHERY

1) Workers household(Cities With population of 50,000 or over)

Unit: gram

Item	1973	1974	1975	1976	1977
Fresh and frozen					
Cod, Alaska pollack	1,018	1,071	1,038	949	752
Flounders, halibuts	2,468	2,714	2,875	2,879	2,765
Jack mackerel	2,968	3,046	3,367	3,338	2,577
Mackerels	2,676	3,327	3,308	2,935	3,231
Salmons, trouts	1,174	1,092	1,284	1,406	1,070
Sardines, anchovies	1,772	2,187	2,086	2,510	3,014
Saury	3,144	2,462	2,238	1,616	1,389
Sea breams	973	1,120	1,110	1,123	1,041
Shellfishes	4,085	5,339	5,560	5,845	5,799
Shrimp, prawn, crab	3,445	4,554	4,490	4,046	3,769
Skipjack	1,079	1,070	1,042	1,359	1,190
Squids, cuttlefishes	7,420	6,181	6,985	6,729	6,322
Tunas, marlins	3,037	3,222	3,423	3,573	3,498
Yellowtail	2,202	2,105	2,121	2,356	2,053
Others	14,685	16,334	16,893	16,415	15,187
Processed fishery products					
Boiled and dried anchovies .	727	674	707	649	628
Canned (case)	10.70	11.12	12.77	12.87	13.10
Cured	682	640	637	562	530
Dried anchovies	860	776	812	869	947
Dried jack mackerel	1,293	1,285	1,406	1,598	1,330
Dried "Kombu" and "Wakame"kelp	1,872	1,936	2,086	2,261	2,382
Dried squids	334	257	266	246	206
Fish sausage	1,144	979	1,175	2,196	2,848
Kneaded	---	---	---	---	---
Salted salmons and trouts .	3,454	3,648	3,624	3,457	3,229
Others	---	---	---	---	---
Whale meat	1,306	1,225	976	890	772
Beef	7,605	7,920	8,210	8,560	8,903
Pork	18,040	19,317	18,892	19,553	20,143
Chicken	10,401	10,652	11,289	11,997	12,286
Ham, sausage	9,199	8,533	8,577	7,992	7,705
Milk, eggs	---	---	---	---	---
Seasonings	748	600	585	541	523
Expense for dining out.....	---	---	---	---	---
Number of family members ...	3.88	3.86	3.86	3.80	3.78

PRODUCTS PER HOUSEHOLD, 1973～1977

(2) Farm household

Unit: gram

Item	1973	1974	1975	1976	1977
Fishery products					
Fresh and frozen					
Cod, Alaska pollack	2,190	2,530	2,410	2,430	2,250
Flounders, halibuts	2,470	2,960	3,260	3,330	3,090
Jack mackerel	2,650	3,190	4,120	3,170	2,660
Mackerels	8,000	9,110	9,720	8.870	9.850
Salmons. trouts	---	---	---	---	---
Sardines, anchovies	3,450	4,350	5,300	6,170	7,250
Saury	5,860	4,340	4,000	2,550	2,420
Sea breams	620	830	740	710	850
Shellfishes	4,550	4,910	4,480	4,640	5,140
Shrimp. prawn. crab	1,630	2,540	2,490	2,220	2,140
Skipjack	2,850	3,440	3,310	3,590	3,630
Squids, cuttlefishes	7,040	6,100	7,760	7,350	6,960
Tunas, marlins	2,310	2,800	3,570	3,570	3,780
Yellowtail	1,800	2,060	2,090	2,390	2,230
Others	---	---	---	---	---
Processed fishery products					
Boiled and dried	2,480	2,500	2,530	2,560	2,590
Canned	3,310	3,770	4,220	4,010	4,160
Cured	290	330	400	390	840
Dried "nori"	---	---	---	---	---
Dried "kombu"and"Wakame"kelp	2,350	2,330	2,130	2,220	2,260
Dried squids	560	470	500	500	520
Fish sausage	4,150	3,640	3,320	3,190	2,460
Kneaded	13,050	12,920	12,500	12,000	11,380
Salted salmons and trouts	3,640	4,150	4,030	3,990	3,590
Others	---	---	---	---	---
Whale meat	1,900	1,580	1,240	1,160	---
Beef	3,060	3,610	4,050	4,100	4,640
Pork	11,520	13,760	13,770	13,650	14,180
Chicken	9,590	9,880	10,390	10,810	11,580
Ham, sausage	4,020	3,920	4,170	4,680	3,930
Milk, eggs	---	---	---	---	---
Seasonings	1,190	1,160	1,040	1,010	1,130
Expense for dining out .	---	---	---	---	---
Number of family members	4.62	4.59	4.56	4.52	4.49

10 AVERAGE CONSUMPTION IN VALUE OF FISHERY

(1) Workers household (Cities With population of 50,000 or over)

Unit: yen

Item	1973	1974	1975	1976	1977
Net income	2,031,528	2,511,588	2,834,364	3,121,176	3,418,882
Food expense	477,772	588,322	666,350	732,876	775,067
Fishery products	70,973	89,989	103,432	114,666	121,292
Fresh and frozen	35,742	46,608	54,806	61,095	64,096
Cod, Alaska pollack	426	549	582	605	497
Flounders, halibuts	1,525	1,977	2,318	2,625	2,870
Jack mackerel	1,662	2,085	2,460	2,956	2,814
Mackerels	747	1,119	1,171	1,202	1,480
Salmons, trouts	957	1,080	1,345	1,616	1,458
Sardines, anchovies	591	793	741	917	1,153
Saury	1,251	1,076	1,275	1,168	1,369
Sea breams	1,056	1,381	1,634	1,828	1,862
Shellfishes	2,065	3,143	3,864	4,573	5,173
Shrimp, prawn, crab	4,171	6,077	6,819	7,129	7,297
Skipjack	963	1,154	1,283	1,719	1,774
Squids, cuttlefishes	3,779	4,639	5,670	6,038	6,529
Tunas, marlins	4,198	5,436	6,740	7,625	8,130
Yellowtail	2,657	3,218	3,860	4,598	4,497
Others	9,700	12,881	15,044	16,496	17,192
Processed fishery products ..	34,315	42,334	47,603	52,521	56,169
Boiled and dried anchovies .	509	619	743	758	754
Canned	1,441	1,799	2,139	2,261	2,544
Cured	1,003	1,207	1,367	1,363	1,447
Dried "nori"	4,102	4,364	4,372	4,608	4,633
Dried"Kombu"and"Wakame"kelp	1,729	2,008	2,164	2,312	2,299
Dried squids	477	512	585	602	583
Fish sausage	366	438	594	1,311	1,941
Kneaded	6,555	8,233	9,083	9,693	10,596
Salted salmons and trouts .	3,879	4,773	5,259	5,501	6,016
Others	14,254	18,381	21,277	24,112	25,356
Whale meat	916	1,047	1,023	1,050	1,027
Beef	14,252	17,035	19,880	23,304	24,627
Pork	18,604	22,078	26,316	29,612	29,643
Chicken	8,237	10,188	11,726	13,479	13,767
Ham, sausage	8,488	9,846	11,267	11,710	11,967
Milk, eggs	29,644	37,866	41,409	42,031	43,079
Seasonings	1,072	1,085	1,114	1,105	1,070
Expense for dining out	58,085	70,143	81,235	93,208	103,909
Number of family members ...	3.88	3.86	3.86	3.80	3.78

PRODUCTS PER HOUSEHOLD, 1973～1977

(2) Farm household

Unit: yen

Item	1973	1974	1975	1976	1977
Net income	2,322,100	2,945,900	3,414,400	3,662,000	3,984,500
Food expense	481,000	599,700	687,400	747,600	798,400
Fishery products	69,386	89,216	99,068	110,073	120,725
Fresh and frozen	33,676	45,342	52,132	59,209	68,089
Cod, Alaska pollack	720	989	1,100	1,234	1,421
Flounders, halibuts	1,216	1,754	2,172	2,561	2,901
Jack mackerel	1,163	1,558	2,225	2,316	2,348
Mackerels	1,917	2,585	2,887	3,172	3,862
Salmons, trouts	---	---	---	---	---
Sardines, anchovies	954	1,270	1,430	1,762	2,096
Saury	1,769	1,559	1,743	1,434	1,765
Sea breams	754	1,136	1,143	1,350	1,792
Shellfishes	1,177	1,722	1,852	2,107	2,729
Shrimp, prawn, crab.....	1,662	3,020	3,332	3,508	4,007
Skipjack	1,614	2,168	2,479	2,891	3,493
Squids, cuttlefishes	3,410	4,028	5,662	6,271	6,841
Tunas, marlins	3,521	5,073	6,563	7,730	8,801
Yellowtail	1,860	2,630	3,342	4,154	4,164
Others	11,939	15,850	16,202	18,719	21,869
Processed fishery products..	34,530	42,650	45,790	49,623	52,636
Boiled and dried	1,741	2,157	2,480	2,751	2,981
Canned	1,234	1,808	2,152	2,157	2,686
Cured	549	687	909	965	1,718
Dried "nori"	3,814	4,282	4,455	4,333	4,601
Dried "Kombu"and"Wakame"kelp	2,295	2,746	2,867	3,088	3,211
Dried squids	972	1,073	1,251	1,426	1,511
Fish sausage	1,538	1,760	1,835	1,838	1,486
Kneaded	6,386	7,639	8,220	8,783	8,898
Salted salmons and trouts.	3,488	4,663	4,947	5,304	5,872
Others	12,513	15,835	16,674	19,008	19,672
Whale meat	1,180	1,224	1,146	1,241	---
Beef	5,892	7,613	9,315	10,813	12,145
Pork	11,053	14,470	17,098	18,966	20,399
Chicken	6,492	7,724	9,289	10,450	11,469
Ham, sausage	3,628	4,265	5,177	6,204	5,612
Milk, eggs	28,057	37,076	36,687	37,686	36,117
Seasonings	1,675	1,832	1,797	1,821	2,042
Expense for dining out.....	28,119	37,207	41,876	45,384	51,832
Number of family members ..	4.62	4.59	4.56	4.52	4.49

Ⅳ ECONOMY OF FISHERY MANAGEMENT UNIT

1 NATIONAL AVERAGE OF FISHERIES HOUSEHOLD ECONOMY, 1973～1977

Items	Unit	1973	1974	1975	1976	1977
Number of family members	Person	4.7	4.6	4.5	4.5	4.5
Number of non-powered fishing boats Used	Boat	0.3	0.3	0.3	0.3	0.3
Number of powered fishing boats used	"	1.3	1.0	1.2	1.0	1.0
Tonnage of powered fishing boats used	Ton	2.2	2.2	2.3	2.4	2.5
Number of fishing days	Day	145	143	145	146	148
Number of workers on the sea	Person	467	446	460	457	468
Working hours on the sea	Hours	2,685	2,511	2,551	2,589	2,591
Catches	kg	10,108	9,029	9,423	9,688	10,871
Price of fish cought	Yen/kg	220	283	322	369	386
Fishery earning	1000 yen	2,292.5	2,631.1	3,142.7	3,675.4	4,195.0
Non-fishery earning	"	230.9	290.7	348.4	378.4	484.7
Non-business earning	"	894.6	1,055.7	1,251.7	1,377.5	1,532.7
Fishery expenditure	"	961.8	1,158.0	1,337.2	1,611.4	1,874.0
Employees wages	"	235.7	261.2	289.3	347.4	436.0
Maintenance of fishing boats	"	80.9	103.6	118.5	138.0	163.5
Expenditure for fishing gears	"	119.1	138.1	145.5	164.5	198.2
Oil	"	86.2	151.8	185.3	217.5	249.7
Miscellaneous facilities	"	10.8	12.7	16.5	20.9	23.1
Depreciation	"	192.8	214.4	245.6	332.8	360.4
Non fishery business expenditure	"	106.2	140.9	154.5	189.1	243.1
Non-business expenditure	"	45.3	58.5	69.6	78.2	93.7
Household expenditure	"	1,408.5	1,730.9	2,000.2	2,301.9	2,552.5
Food and drinks	"	417.3	526.1	604.3	661.4	709.5
Clothing	"	135.3	160.5	176.5	208.9	210.1
Housing	"	145.2	165.4	185.7	196.8	226.8
Heat, light and water	"	54.3	69.0	84.6	95.8	107.1
Education	"	36.8	38.0	48.6	59.3	52.9
Reading and recreation	"	67.0	89.1	95.1	120.2	130.1
Household goods and furnitures	"	105.5	130.5	133.3	144.7	148.4
Health and sanitation	"	71.8	91.6	106.2	120.7	123.4
Gifts and remittances	"	145.6	189.2	232.8	274.6	317.9
Taxes, public charges and obligation.	"	136.2	172.8	197.6	254.4	331.8
Income of fishery household	"	2,304.8	2,619.9	3,181.4	3,552.8	4,001.5
Business income	"	1,455.5	1,622.8	1,999.3	2,253.5	2,562.6
Fishery income	"	1,330.8	1,473.0	1,805.4	2,064.1	2,321.0
Non-fishery income	"	124.7	149.8	193.9	189.4	241.6
Non-business income	"	849.3	997.1	1,182.1	1,299.3	1,438.9
Surplus of fishery household economy.	"	760.2	716.3	983.6	996.4	1,117.2
Property						
Fixed assets	"	3,220.0	3,719.6	4,197.7	6,196.5	6,721.6
Land	"	400.8	431.8	420.8	1,603.8	665.6
Building	"	1,709.0	2,033.5	2,315.7	3,592.4	3,810.2
Hull of fishing boats	"	371.3	431.8	501.2	708.7	762.0
Engines of fishing boats	"	379.4	411.9	480.7	656.1	738.6
Fishing nets and long lines	"	125.1	144.0	163.1	209.0	225.8
Non-fixed assets	"	2,112.6	2,662.3	3,334.1	4,090.7	5,015.5
Debts	"	647.1	824.7	995.6	1,119.4	1,256.1

Notes: 1) Fishery household in this table refers to the household engaging in fishing with less than 10 tons fishing boat. The data show the average per fishery household.
2) Income of fishery household = Fishery income + Non-fishery business income + Non-business income. Surplus of fishery household economy = Income of fishery household - (Taxes, public charges and obligations + Household expenditure)
3) Duration of this statistics is for a calendar year. Property is accounted at the beginning of the year.

2 NATIONAL AVERAGE OF SMALL AND MIDDL SIZE FISHERY ENTERPRISE ECONOMY, 1973～1977

Item 1), 2)	Unit	1973	1974	1975	1976	1977
Gross tonnage of fishing boats used	Ton	95.71	104.67	101.36	99.89	98.84
Number of workers on the boat	Person	17	17	16	16	16
Earnings from fishery	1000 yen	82,175	90,248	101,261	118,634	135,329
Fishery expenditures	"	76,740	89,533	99,678	111,520	126,702
Employees wages	"	30,025	35,777	37,992	44,574	51,402
Maintenance of fishing boats ..	"	5,757	7,153	8,040	8,719	9,354
Expenditure for fishing gears .	"	3,373	4,247	4,577	4,596	4,736
Oil	"	5,645	10,685	14,036	15,349	15,408
Bait	"	2,270	2,626	3,010	3,437	4,015
Ice	"	883	983	1,095	1,222	1,346
Fish container	"	1,457	2,152	1,931	1,837	1,692
Miscellaneous materials	"	717	960	1,140	1,241	1,368
Miscellaneous facilities	"	157	196	169	273	292
Rents and charge	"	1,362	1,472	1,627	1,866	2,314
Brokerage	"	3,360	3,675	4,217	4,964	5,787
Costs for business	"	3,686	4,283	4,693	5,088	6,189
Tax upon fishery business	"	...	616	509	591	744
Other 3)	"	4,891	3,804	4,016	4,157	5,786
Depreciation	"	13,157	12,904	12,626	13,606	16,268
Estimated family wages	"	754	909	935	1,074	1,214
Fishery profit 4)	"	4,681	Δ 194	648	6,040	7,413
Assets (initial)	"	86,692	99,176	112,049	116,486	123,652
Fixed assets	"	48,874	57,378	64,508	65,899	69,329
Fixed assets for fishery	"	38,058	41,540	46,378	47,722	52,680
Non-fixed assets	"	37,818	41,798	47,540	50,587	54,323
Liabilities (initial)	"	77,178	87,072	102,148	105,902	110,774
Net worth	"	9,514	12,103	9,903	10,584	12,878
Net profit	"	3,531	Δ 816	Δ 586	3,927	5,483
Interest on liabilities	"	4,969	5,593	6,662	6,666	6,361
Sales profit 5)	%	5.7	Δ 0.2	0.6	5.1	5.5
Costs for physical expenditure ...	1000 yen	33,929	53,307	54,301	66,362	59,235
Added value	"	48,246	45,124	51,200	64,657	76,094
Added value per worker	"	2,838	2,654	3,200	4,041	4,756
Wage per worker	"	1,748	1,717	2,375	2,786	3,213
Capital equipment ratio 6)	"	2,215	2,963	3,471	3,490	3,665
Ratio of net worth out of total capital	%	11.0	12.2	8.8	9.1	10.4
Ratio of profit out of total capital	"	4.1	Δ 0.8	9.8	3.4	4.4

Notes: 1) Small and middle size fishery enterprise refers to the enterprise engaging in fishery with fishing boats of 10 gross tonnage and over but excluding the big enterprises with capital paid of 100 million yen and over.
2) Data show an average per the fishery management unit.
3) Including tax upon fishery business for 1973.
4) Fishery profit = Earnings from fishery - fishery expenditures - estimated family wages.
5) Sales profit = Fishery profit ÷ earnings from fishery x 100.
6) Capital equipment ratio means fixed assets for fishery per worker engaged normally in fisheries.

REFERENCE TABLES

1 CATCH BY COUNTRY OF THE WORLD, 1973～1977

Unit: Thousand metric tons

Country	1973	1974	1975	1976	1977
Total	67,678	71,340	71,004	74,717	73,501
Japan	10,748	10,805	10,524	10,662	10,733
U.S.S.R.	8,619	9,236	9,936	10,134	9,352
China	6,880	6,880	6,880	6,880	6,880
Norway	2,987	2,645	2,550	3,435	3,562
U.S.A.	2,857	2,929	2,898	3,175	3,102
India	1,958	2,255	2,328	2,400	2,540
Peru	2,329	4,145	3,447	4,343	2,530
Republic of Korea	1,684	2,023	2,133	2,405	2,419
Denmark	1,464	1,835	1,767	1,911	1,807
Thailand	1,679	1,516	1,553	1,660	1,778
Korea D.P.R.P.	1,300	1,400	1,500	1,600	1,600
Indonesia	1,265	1,336	1,390	1,483	1,545
Philippines	1,303	1,371	1,443	1,393	1,511
Spain	1,578	1,510	1,515	1,475	1,455
Iceland	902	945	995	986	1,374
Chile	691	1,158	929	1,406	1,285
Canada	1,157	1,037	1,021	1,132	1,280
Viet Nam	1,014	1,014	1,014	1,014	1,014
Bangladesh	820	822	823	826	835
Brazil	704	740	772	708	790
France	823	808	806	806	760
Mexico	479	442	499	572	670
Poland	580	679	801	750	665
South Africa	711	650	637	638	603
England and Wales	557	534	497	520	525
Burma	463	434	485	502	519
Nigeria	466	473	478	495	506
Peninsular Malaysia	374	442	377	412	499
Ecuadr	154	174	263	815	476
Scotland	562	538	468	503	452

2 CATCH BY SPECIES OF THE WORLD, 1973～1977

Unit: Thousand metric tons

	1973	1974	1975	1976	1977
Total	67,678	71,340	71,004	74,712	73,501
Carps, barbels and other cyprinids	527	519	563	559	573
Tilapias and other cichlids.....	260	230	286	301	325
Miscellaneous freshwater fishes...	8,685	8,747	9,011	8,803	8,871
Sturgeons, padolefishes, etc.	24	25	27	31	32
River eels	52	55	55	67	71
Salmons, trouts, smelts, etc.	554	502	551	556	633
Shads, milkfishes, etc.	760	745	757	780	772
Miscellaneous diadromous fishes ..	97	97	98	79	47
Flounders, halibuts, soles, etc. .	1,243	1,176	1,145	1,123	1,084
Cods, hakes, haddocks, etc.	11,964	12,681	11,850	12,136	10,695
Redfishes, basses, congers, etc. ..	4,261	4,795	4,967	4,861	5,139
Jacks, mullets, sauries, etc.	5,641	5,353	5,854	7,253	3,683
Herrings, sardines, anchovies etc.	11,406	14,040	13,754	15,303	12,962
Tunas, bonitos, billfishes, etc. .	2,093	2,253	2,095	2,294	2,334
Mackerels,sneks,cutlassfishes,etc.	3,427		3,606	3,300	3,557
Sharks, rays, chimaeras, etc.	598	559	590	565	587
Miscellaneous marine fishes	9,129	8,812	8,550	8,925	8,923
Freshwater crustaceans	64	62	52	47	45
Sea-spiders, crabs, etc.	386	407	382	405	449
Lobsters, spiny-rock lobsters,etc.	96	94	95	98	96
Squat-lobsters, nephrops, etc. ...	67	64	77	105	87
Shrimps, prawns, etc.	1,258	1,321	1,295	1,414	1,446
Krill,plankonic crustaceans,etc. .	-	1	1	3	123
Miscellaneous marine crustaceans..	74	66	75	82	85
Freshwater molluses	47	46	55	125	133
Abalones, winkles, conchs, etc. ..	61	57	67	65	70
Oysters	793	739	845	904	879
Mussels	444	376	462	478	539
Scallops, pectens, etc.	203	238	284	361	405
Clams, cockles, arkshells, etc. ..	676	727	704	759	830
Squids,cuttlefishes,octopuses,etc.	1,068	1,074	1,175	1,179	1,165
Miscellaneous marine molluscs	175	207	210	194	203
Porpoises, dolphins, etc.	3	2	2	2	2
Miscellaneous aquatic mammals	2	2	2	2	2
Frogs and other amphibians	1	2	1	1	1
Turtles and other reptiles	8	7	8	7	7
Sea-quirts and other tunicates ...	3	5	8	8	7
Horseshoe crabs and other arachnoids	0	0	0	0	0
Sea-urchins, sea-cucumbers, etc....	50	49	40	57	62
Miscellaneous aquatic invertebrates	87	15	19	37	40
Pearls,mother-of-pearl,shells,etc.	6	7	6	6	8
Corals	0	0	0	0	0
Sponges	0	0	0	0	0
Aquatic bird guano, eggs, etc. ...	38	25	32	3	4
Brown seaweeds	769	896	799	893	921
Red seaweeds	492	558	460	457	470
Green seaweeds and other algae ...	1	2	2	3	2
Miscellaneous aquatic plants	84	90	87	86	96

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